

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004396.D
 Acq On : 02 Aug 2018 04:16
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Aug 02 05:12:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 05:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	184708	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	174693	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	96250	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	45912	31.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.60%
7) Chloroethane-d5	2.89	69	41160	28.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.80%
10) 1,1-Dichloroethene-d2	4.02	63	96896	23.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.28%
20) 2-Butanone-d5	7.09	46	40303	45.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.34%
24) Chloroform-d	7.65	84	116714	25.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.24%
26) 1,2-Dichloroethane-d4	8.31	65	67746	26.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.96%
29) Benzene-d6	8.27	84	214882	23.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.28%
33) 1,2-Dichloropropane-d6	9.28	67	59105	21.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.60%
37) Toluene-d8	10.33	98	211085	24.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.96%
38) trans-1,3-Dichloropropene-	10.59	79	30712	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.96%
39) 2-Hexanone-d5	10.93	63	34942	48.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.38%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	71637	24.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	94311	25.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	39210	23.248	ug/L 94
3) Chloromethane	2.21	50	34253	21.401	ug/L 91
5) Vinyl chloride	2.37	62	59955	30.344	ug/L 99
6) Bromomethane	2.78	94	41173	29.096	ug/L 99
8) Chloroethane	2.93	64	38591	27.776	ug/L 97
9) Trichlorofluoromethane	3.25	101	37606	22.702	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	57359	23.489	ug/L 99
12) 1,1-Dichloroethene	4.04	96	54983	23.977	ug/L 89
13) Acetone	4.12	43	27298	34.966	ug/L 99
14) Carbon disulfide	4.38	76	152674	22.509	ug/L 100
15) Methyl Acetate	4.67	43	29453	18.922	ug/L 98
16) Methylene chloride	4.91	84	58442	20.019	ug/L 92
17) Methyl tert-butyl Ether	5.43	73	78570	21.814	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	55782	22.412	ug/L 89
19) 1,1-Dichloroethane	6.21	63	94694	21.884	ug/L 98
21) 2-Butanone	7.18	43	38984	36.639	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	61531	22.430	ug/L 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004396.D
 Acq On : 02 Aug 2018 04:16
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Aug 02 05:12:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 05:11:26 2018
 Response via : Initial Calibration

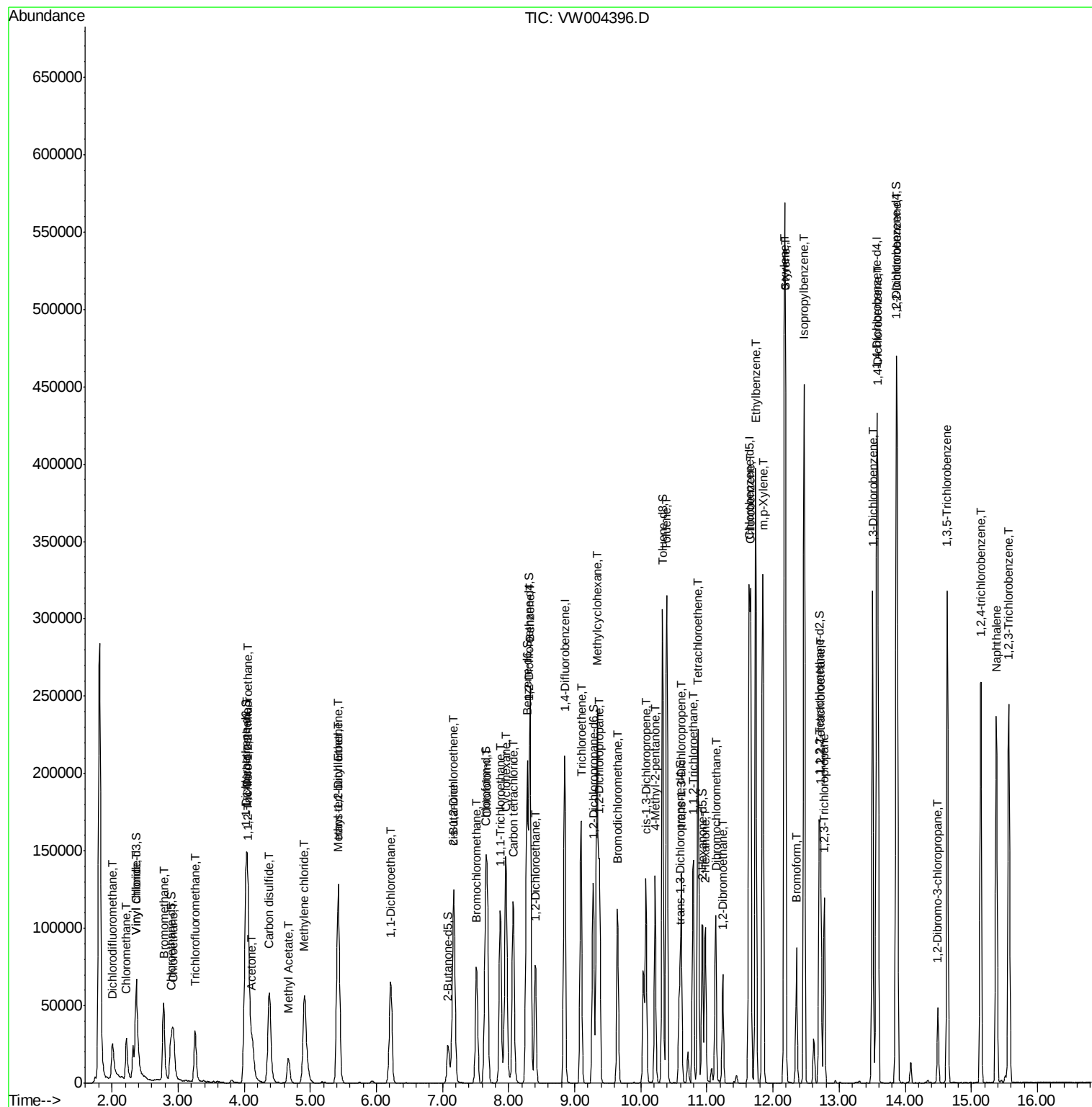
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	30859	23.950	ug/L	92
25) Chloroform	7.68	83	108737	23.884	ug/L	99
27) 1,2-Dichloroethane	8.40	62	72949	23.723	ug/L	97
30) Cyclohexane	7.96	56	82297	19.948	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	94813	24.768	ug/L	100
32) Carbon tetrachloride	8.07	117	94761	25.417	ug/L	100
34) Benzene	8.33	78	219917	21.716	ug/L	100
35) Trichloroethene	9.10	95	60913	22.470	ug/L	97
36) Methylcyclohexane	9.34	83	106355	21.995	ug/L	98
40) 1,2-Dichloropropane	9.37	63	51004	20.078	ug/L #	97
41) Bromodichloromethane	9.65	83	75454	22.957	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	80879	20.297	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	78542	38.191	ug/L	97
44) Toluene	10.39	91	241766	22.200	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	74900	20.937	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	46484	22.190	ug/L	97
47) Tetrachloroethene	10.87	164	55731	23.943	ug/L	97
49) 2-Hexanone	10.98	43	59306	38.800	ug/L	97
50) Dibromochloromethane	11.13	129	61736	24.191	ug/L	99
51) 1,2-Dibromoethane	11.24	107	47847	23.045	ug/L	97
52) Chlorobenzene	11.66	112	166524	22.972	ug/L	99
53) Ethylbenzene	11.74	91	279329	22.673	ug/L	97
54) m,p-Xylene	11.85	106	108933	23.375	ug/L	95
55) o-xylene	12.17	106	104392	23.717	ug/L	95
56) Styrene	12.19	104	186233	24.442	ug/L	97
57) Isopropylbenzene	12.47	105	295667	23.959	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	62269	21.651	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	49111	22.178	ug/L	100
62) Bromoform	12.35	173	43802	24.396	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	139285	22.435	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	142816	22.359	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	137405	23.411	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	12653	21.879	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	111514	22.656	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	92890	22.222	ug/L	98
69) Naphthalene	15.38	128	211764	22.417	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	91658	23.697	ug/L	100

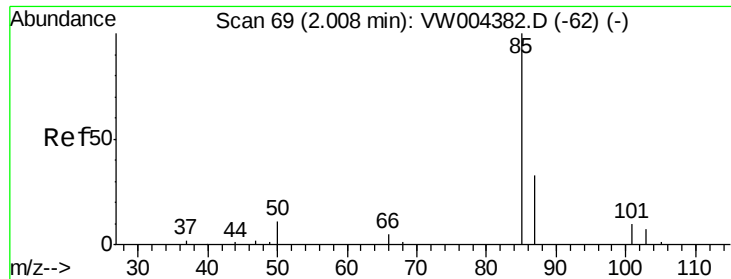
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004396.D
 Acq On : 02 Aug 2018 04:16
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Aug 02 05:12:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 05:11:26 2018
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.248 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampled :

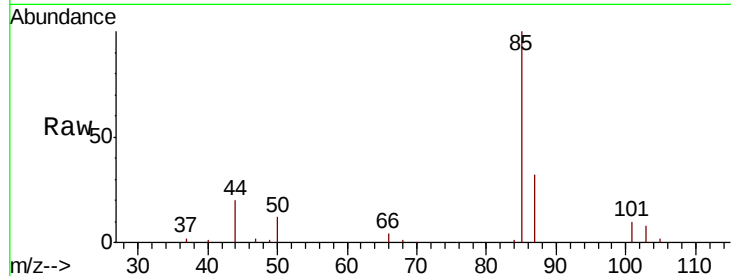
VSTD02588

Tot Ion: 85 Resp: 39210

Ion Ratio Lower Upper

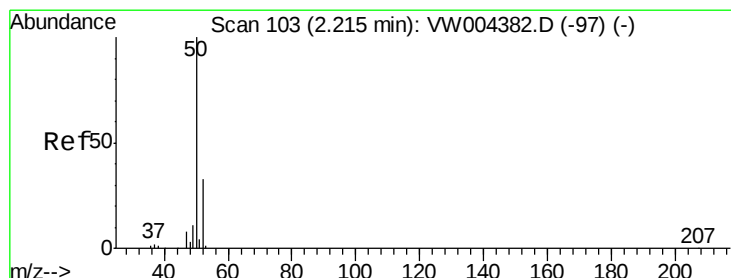
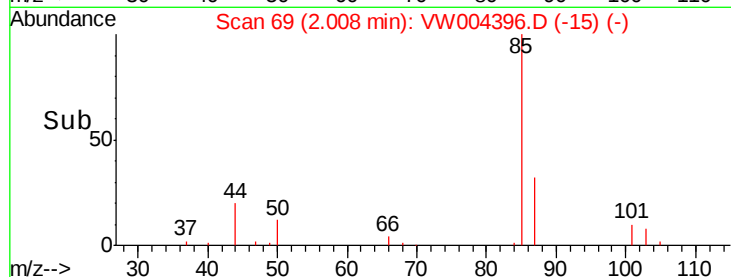
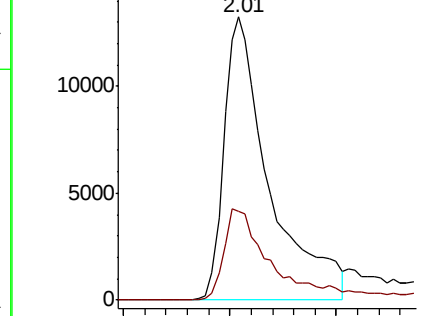
85 100

87 28.4 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.401 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004396.D

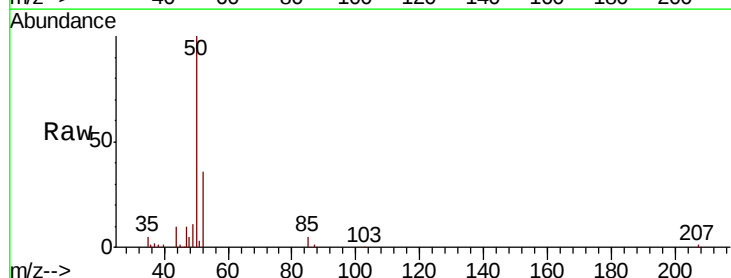
Acq: 02 Aug 2018 04:16

Tgt Ion: 50 Resp: 34253

Ion Ratio Lower Upper

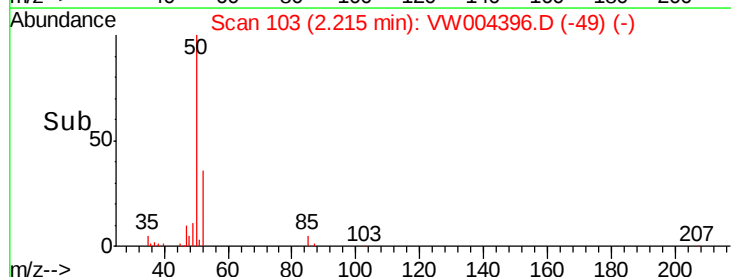
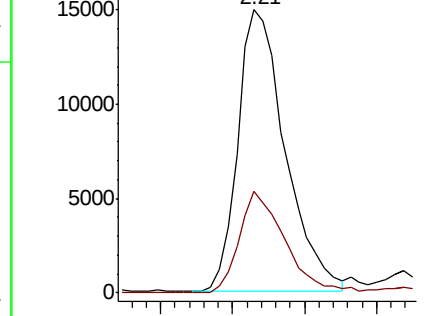
50 100

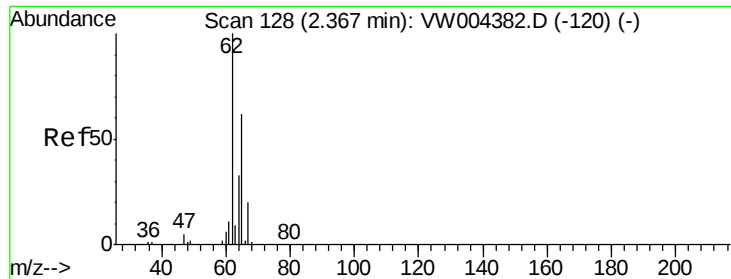
52 35.9 21.6 40.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 30.344 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

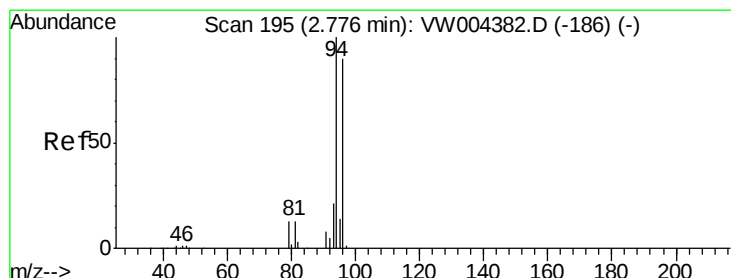
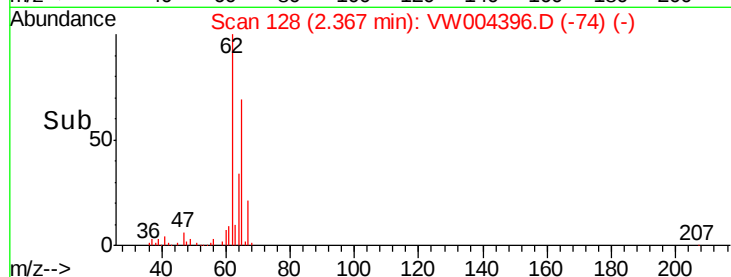
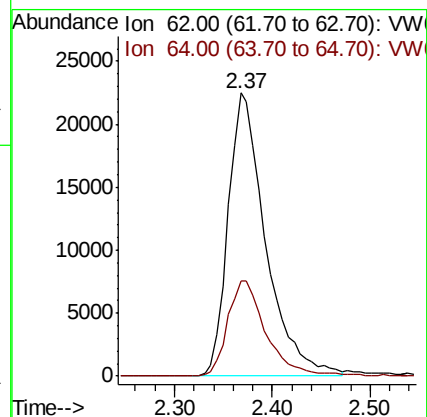
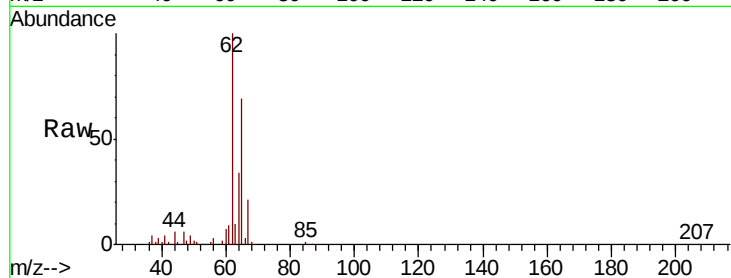
VSTD02588

Tot Ion: 62 Resp: 59955

Ion Ratio Lower Upper

62 100

64 33.8 23.9 44.5



#6

Bromomethane

Concen: 29.096 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004396.D

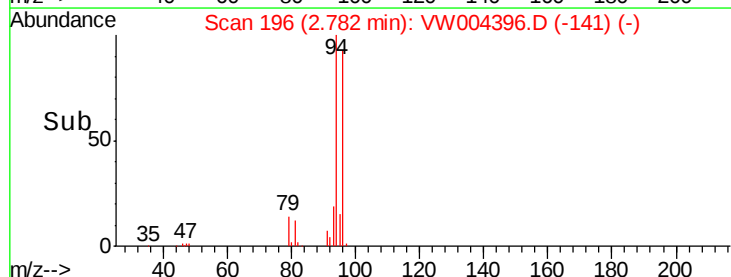
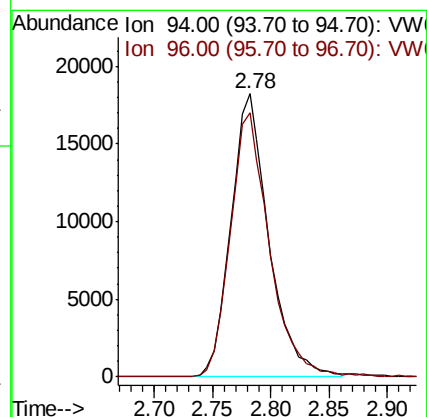
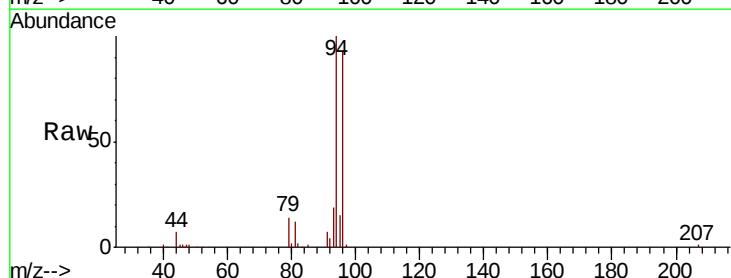
Acq: 02 Aug 2018 04:16

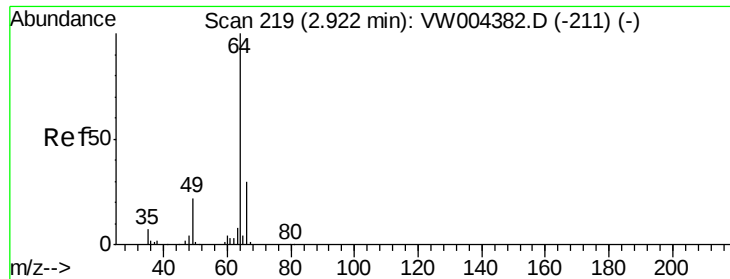
Tgt Ion: 94 Resp: 41173

Ion Ratio Lower Upper

94 100

96 96.1 9.5 181.1

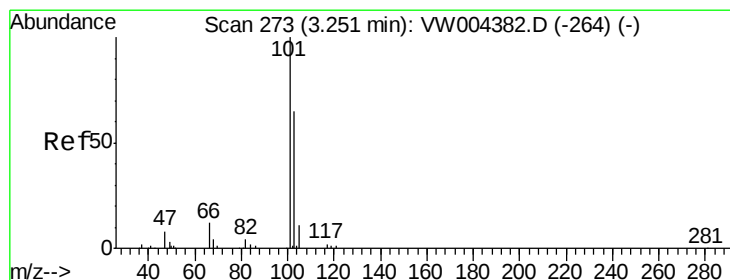
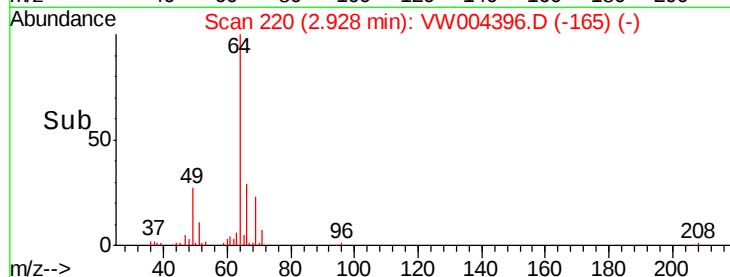
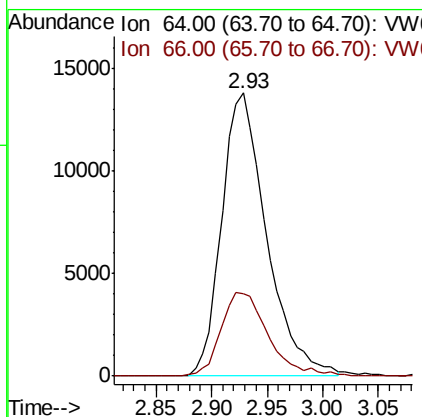
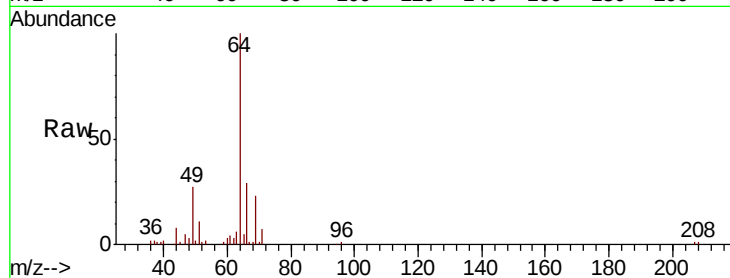




#8
Chloroethane
Concen: 27.776 ug/L
RT: 2.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

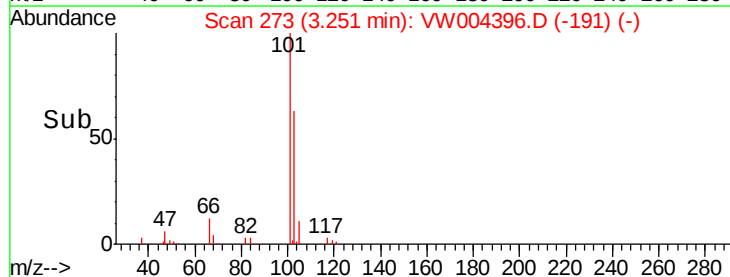
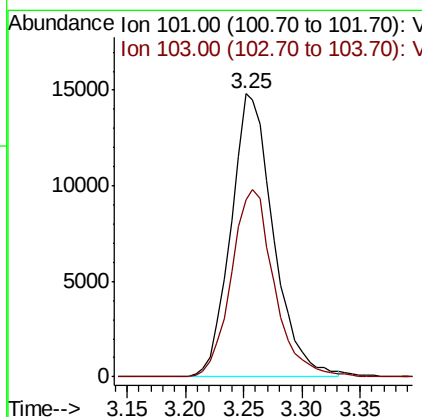
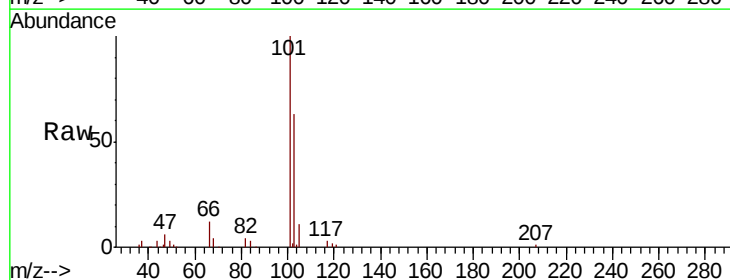
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

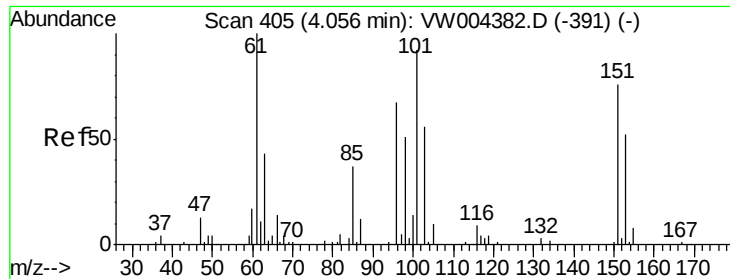
Tot Ion: 64 Resp: 38591
Ion Ratio Lower Upper
64 100
66 29.2 21.5 39.9



#9
Trichlorofluoromethane
Concen: 22.702 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Tgt Ion: 101 Resp: 37606
Ion Ratio Lower Upper
101 100
103 66.9 45.3 84.1





#11

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

Concen: 23.489 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

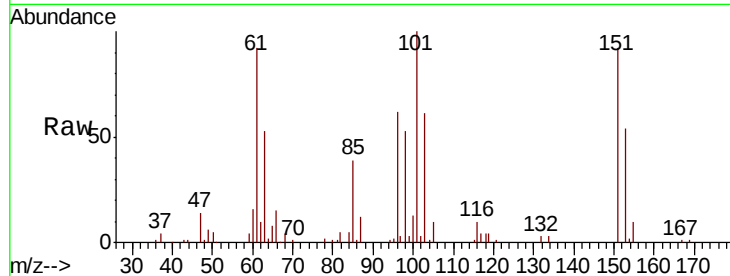
Tot Ion:101 Resp: 57359

Ion Ratio Lower Upper

101 100

85 39.7 32.4 48.6

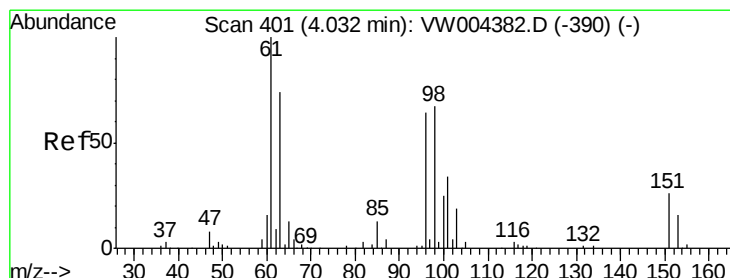
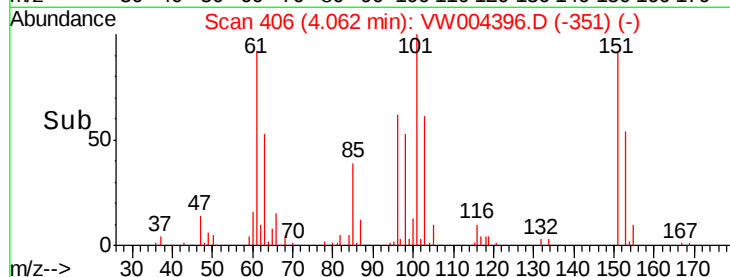
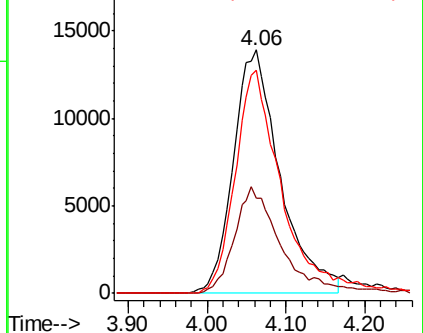
151 86.0 69.2 103.8



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: 23.977 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

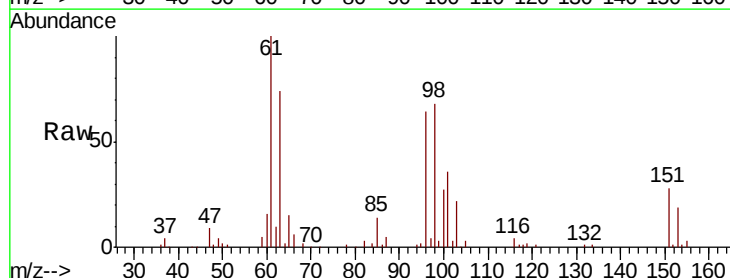
Tgt Ion: 96 Resp: 54983

Ion Ratio Lower Upper

96 100

61 155.4 115.4 214.4

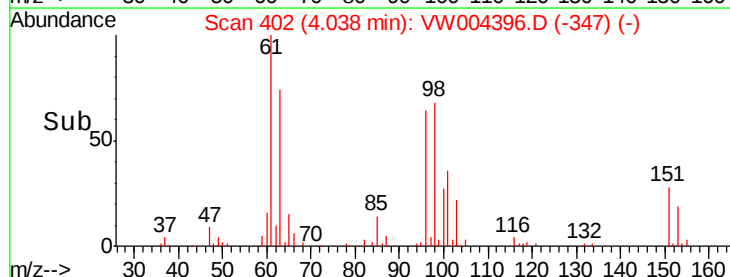
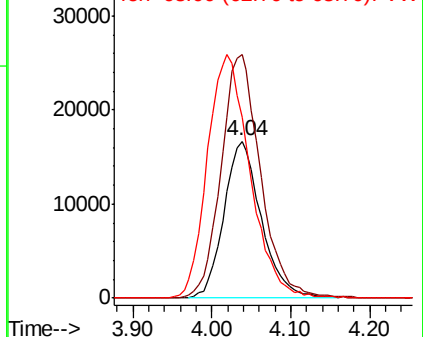
63 115.1 94.4 175.2

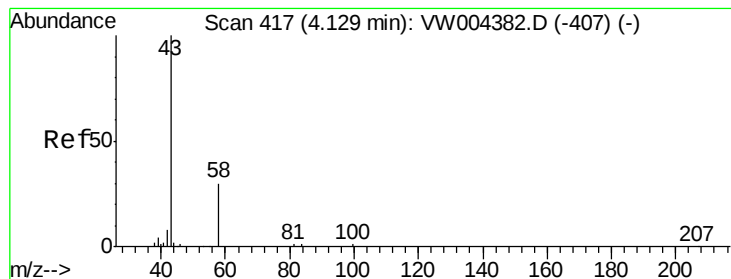


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 34.966 ug/L

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

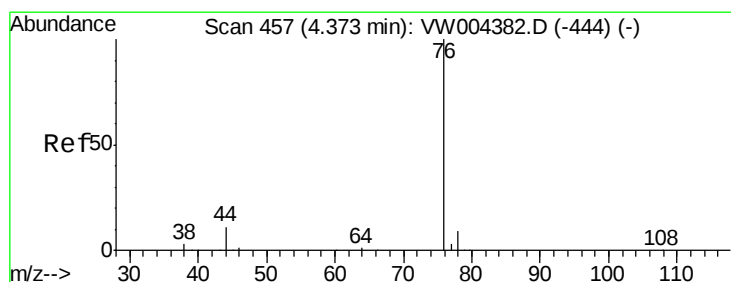
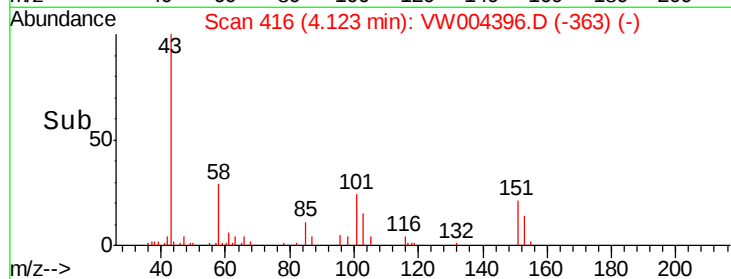
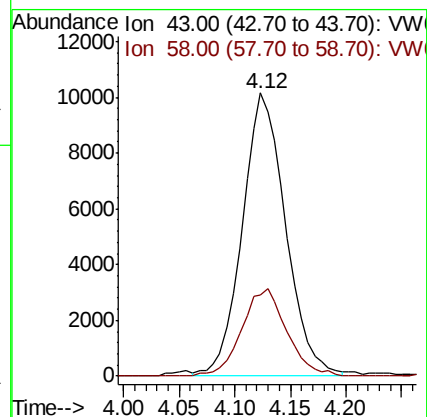
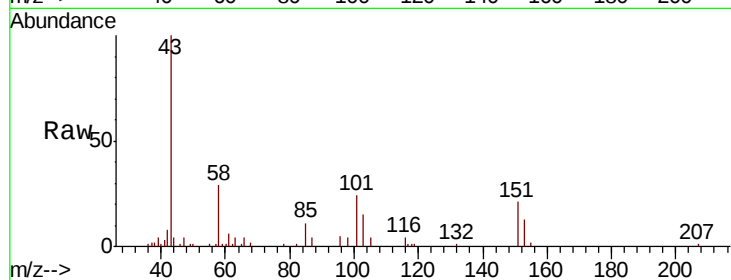
VSTD02588

Tot Ion: 43 Resp: 27298

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.8



#14

Carbon disulfide

Concen: 22.509 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004396.D

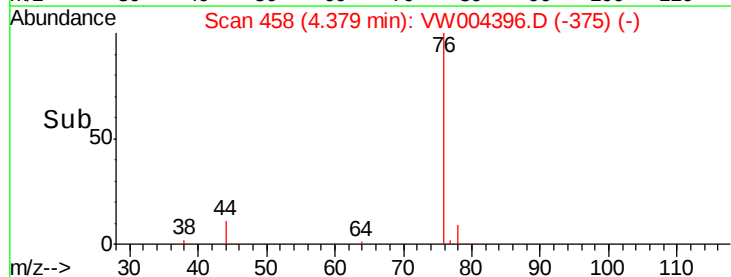
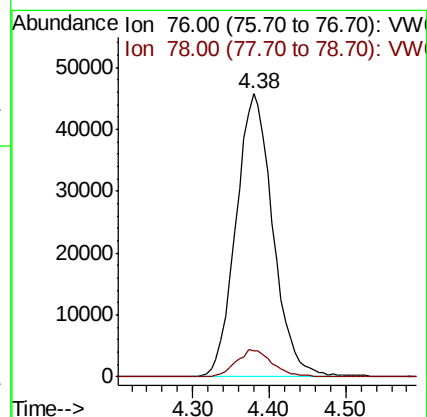
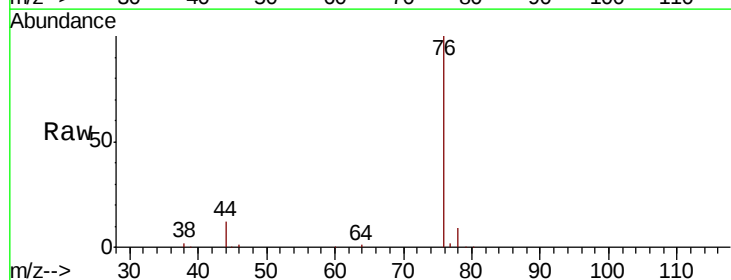
Acq: 02 Aug 2018 04:16

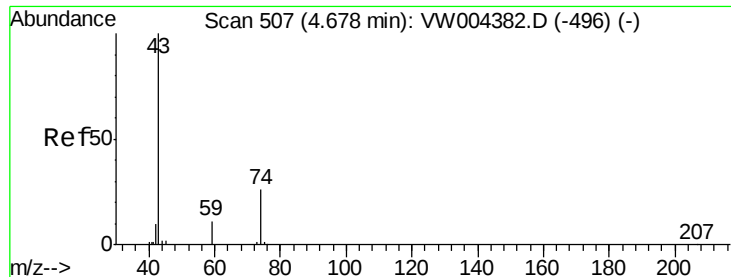
Tgt Ion: 76 Resp: 152674

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

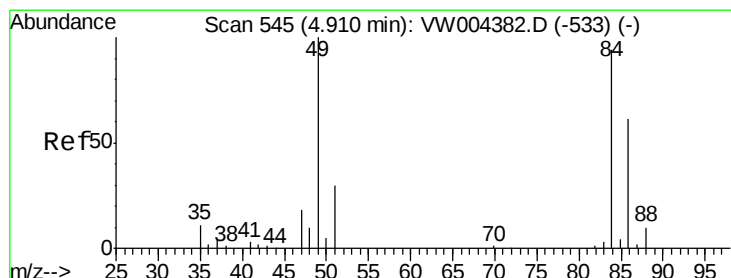
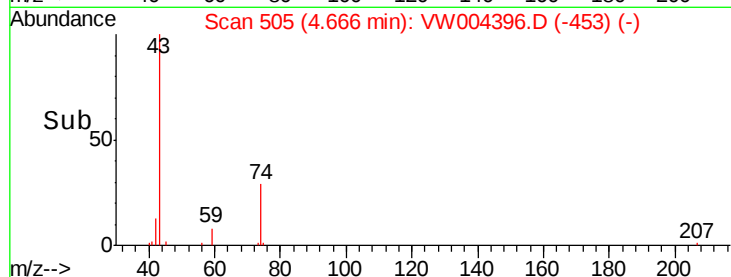
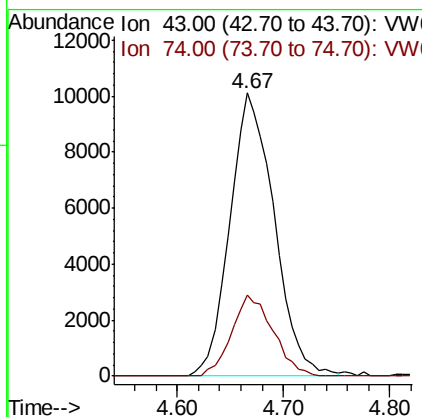
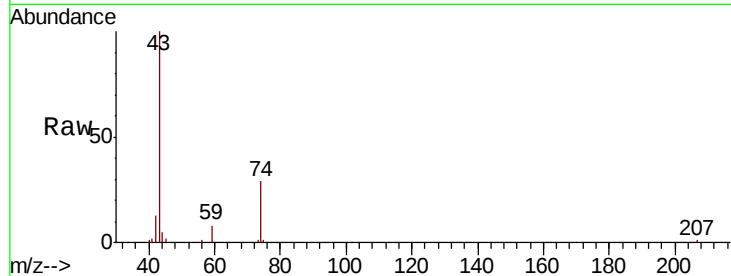




#15
Methvl Acetate
Concen: 18.922 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

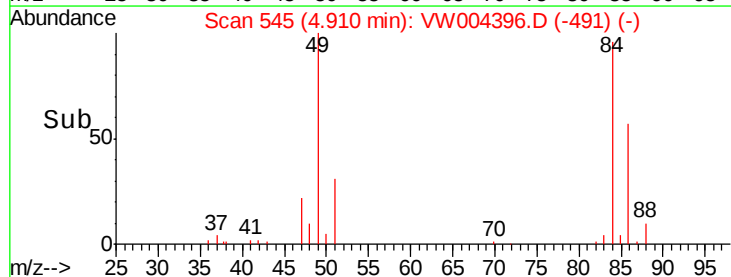
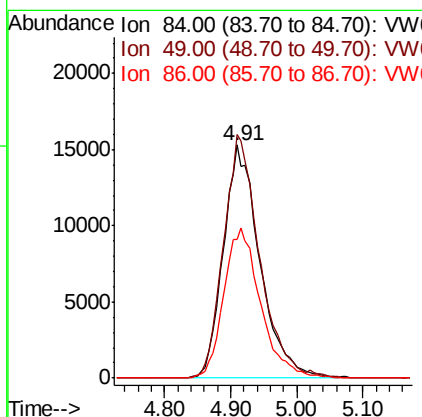
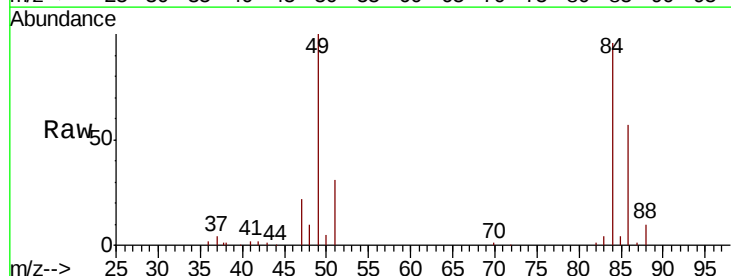
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

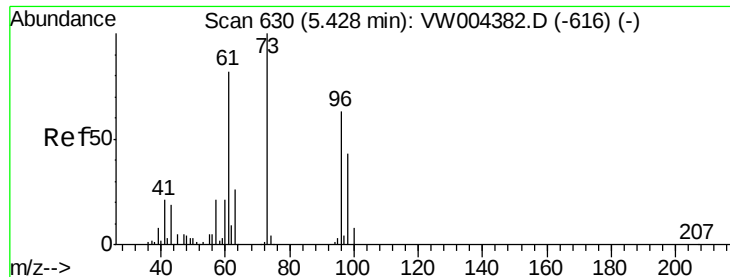
Tot Ion: 43 Resp: 29453
Ion Ratio Lower Upper
43 100
74 26.8 20.6 31.0



#16
Methylene chloride
Concen: 20.019 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Tgt Ion: 84 Resp: 58442
Ion Ratio Lower Upper
84 100
49 104.6 79.5 147.7
86 59.4 45.8 85.2

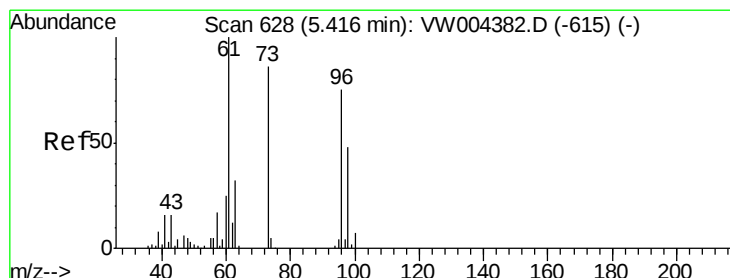
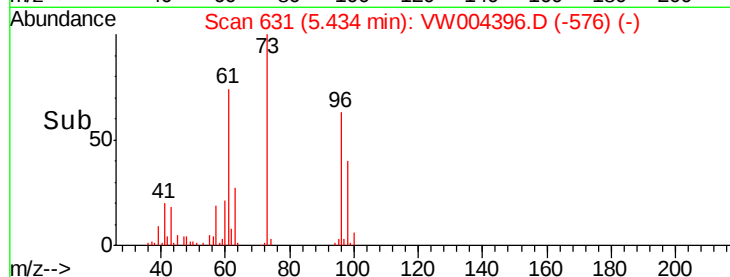
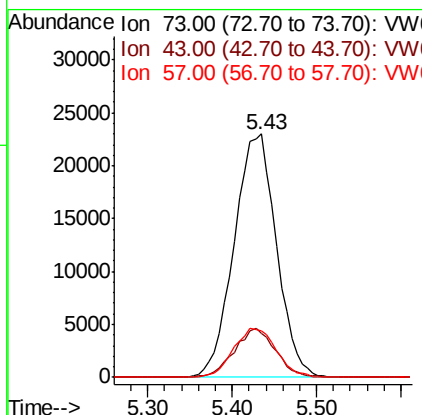
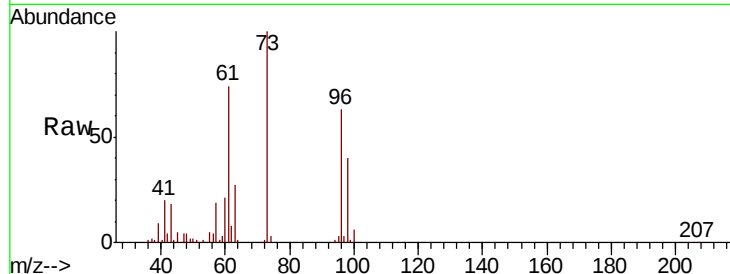




#17
Methvl tert-butvl Ether
Concen: 21.814 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

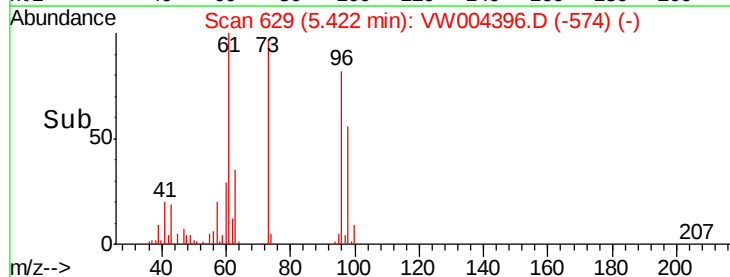
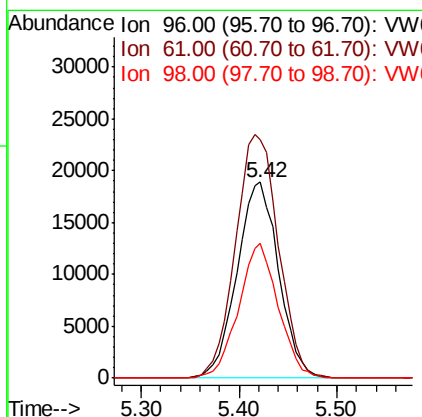
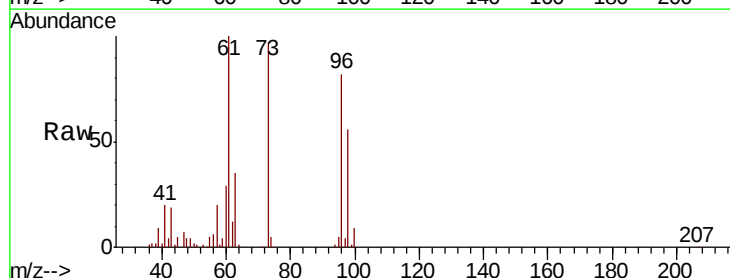
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

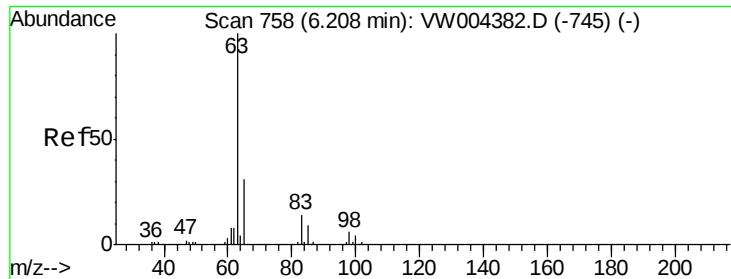
Tot Ion: 73 Resp: 78570
Ion Ratio Lower Upper
73 100
43 19.5 15.1 22.7
57 20.3 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 22.412 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Tgt Ion: 96 Resp: 55782
Ion Ratio Lower Upper
96 100
61 121.7 93.7 174.1
98 68.8 41.9 77.7

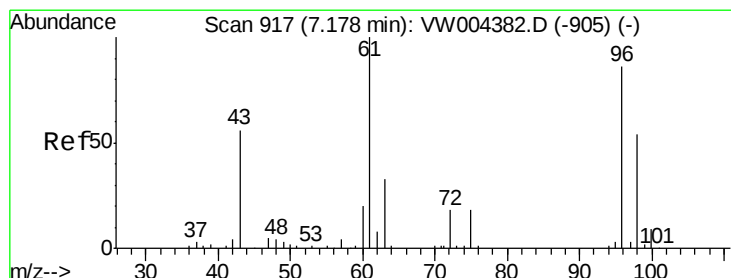
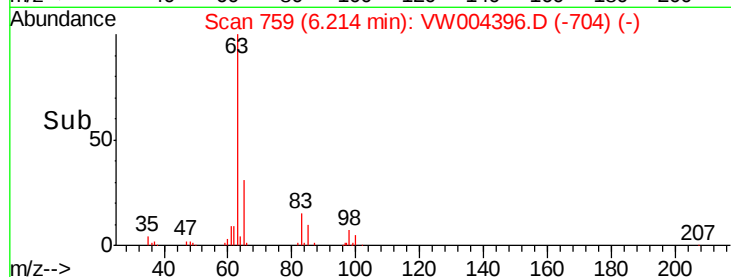
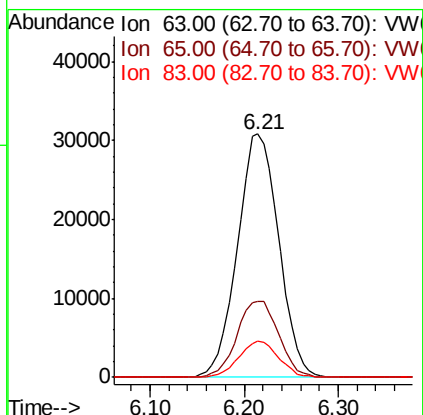
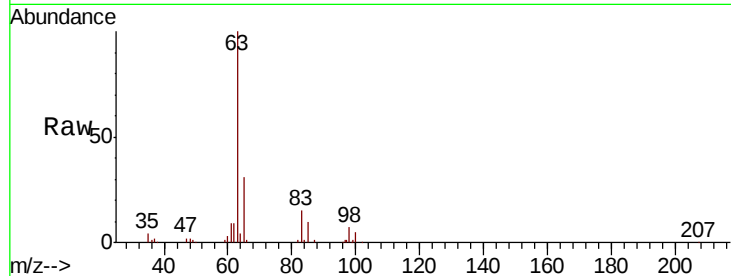




#19
 1,1-Dichloroethane
 Concen: 21.884 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

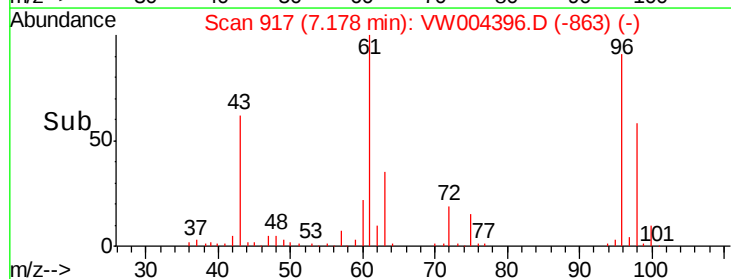
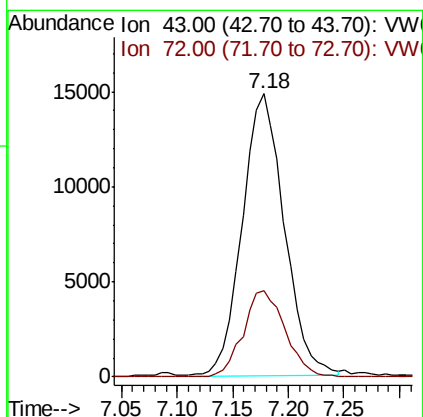
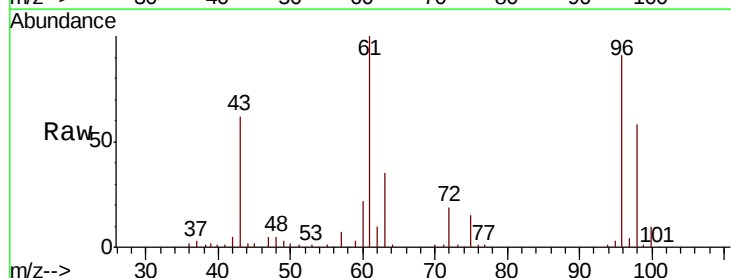
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

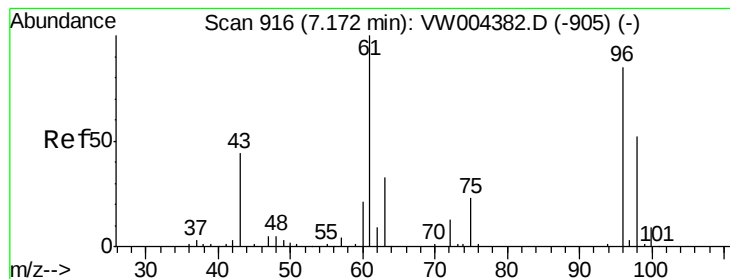
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.0	42.8
83	15.0	10.3	19.1



#21
 2-Butanone
 Concen: 36.639 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.2	14.4	43.2



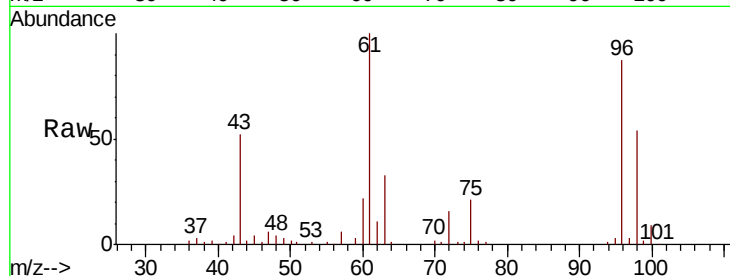


#22

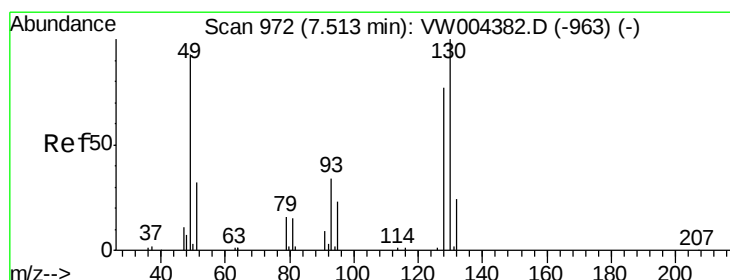
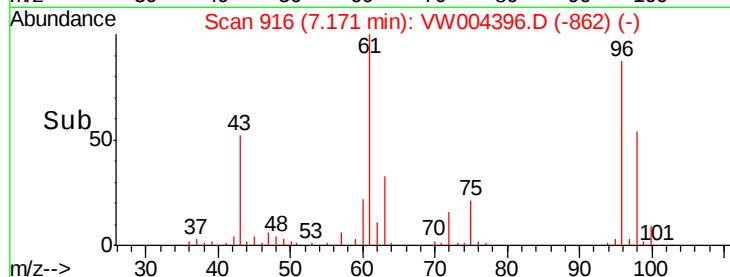
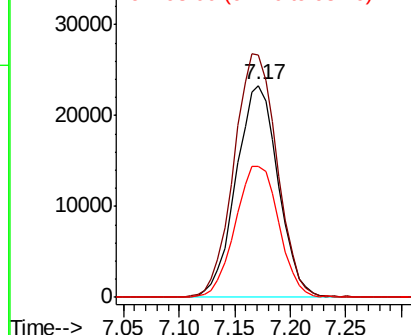
cis-1,2-Dichloroethene
Concen: 22.430 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Tot Ion: 96 Resp: 61531
Ion Ratio Lower Upper
96 100
61 114.3 85.7 159.1
98 61.8 43.8 81.3



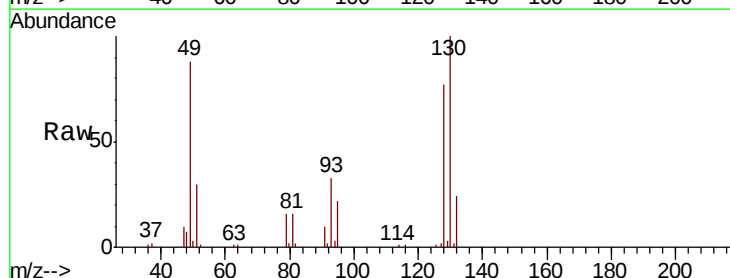
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



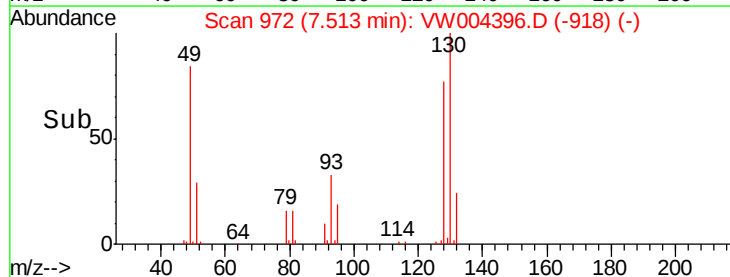
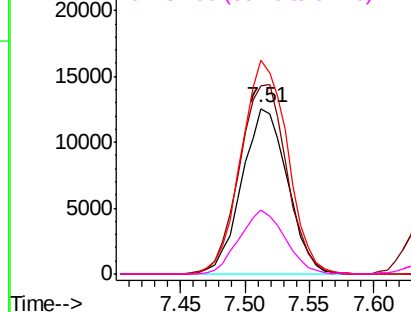
#23

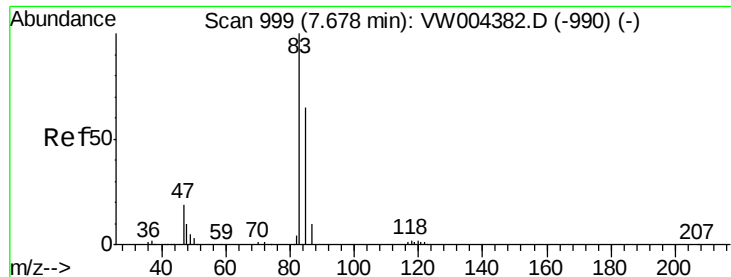
Bromochloromethane
Concen: 23.950 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Tgt Ion: 128 Resp: 30859
Ion Ratio Lower Upper
128 100
49 113.8 90.9 168.7
130 129.2 93.8 174.2
51 38.9 34.0 51.0



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

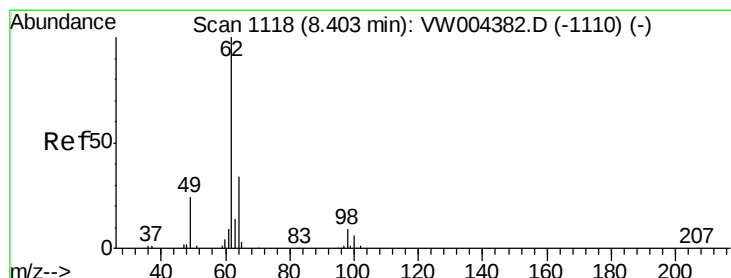
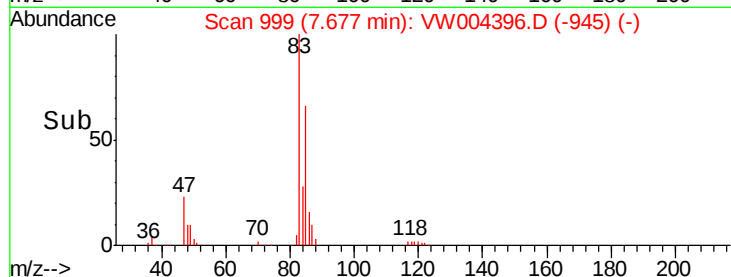
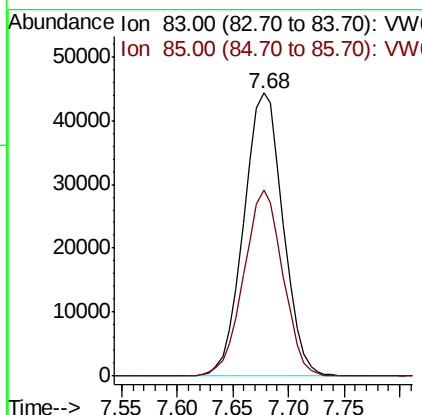
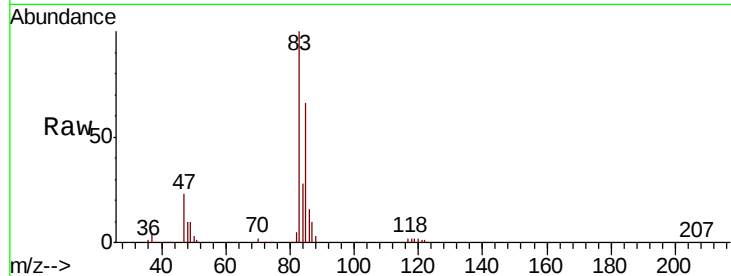




#25
Chloroform
Concen: 23.884 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

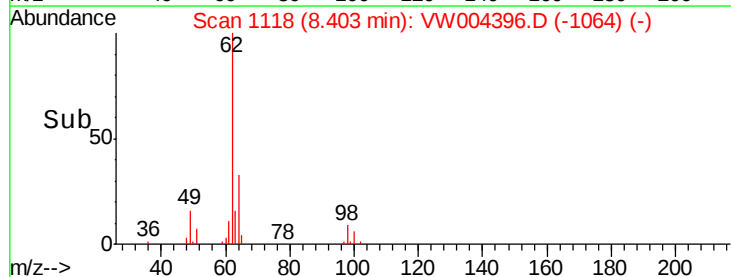
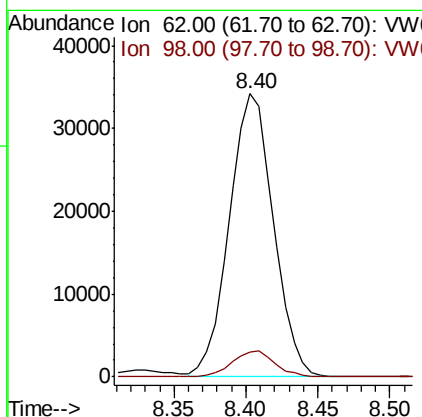
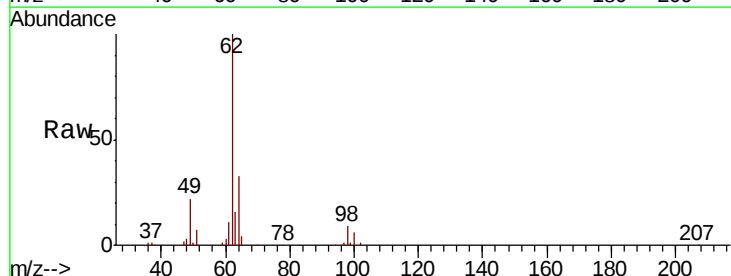
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

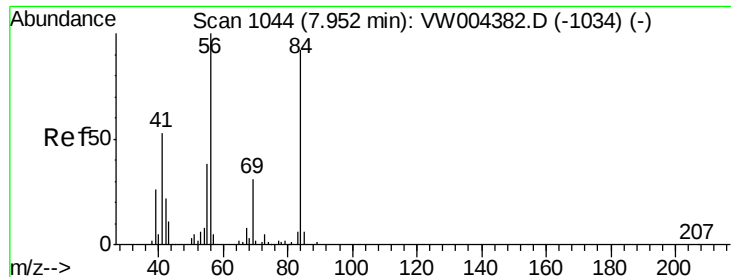
Tot Ion: 83 Resp: 108737
Ion Ratio Lower Upper
83 100
85 65.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 23.723 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Tgt Ion: 62 Resp: 72949
Ion Ratio Lower Upper
62 100
98 8.6 7.8 11.8

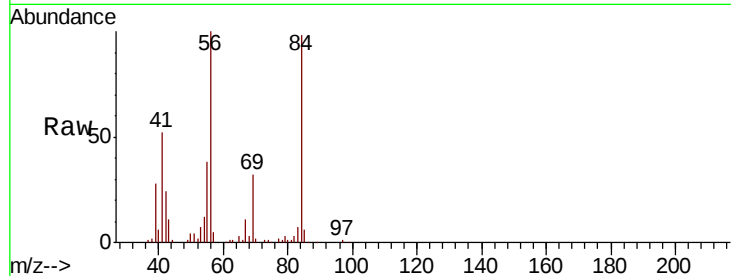




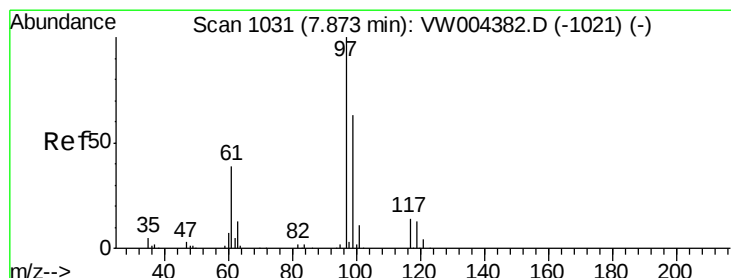
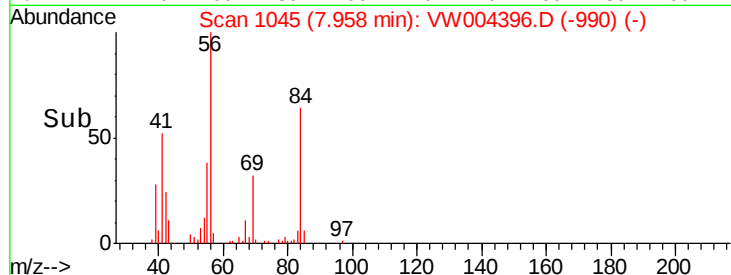
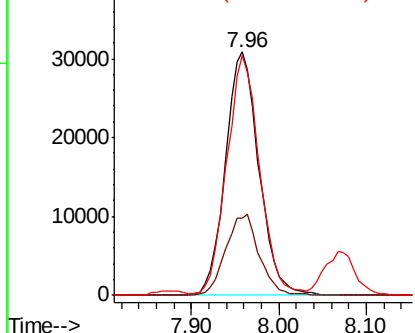
#30
Cyclohexane
Concen: 19.948 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Tot Ion: 56 Resp: 82297
Ion Ratio Lower Upper
56 100
69 33.1 25.7 38.5
84 97.0 73.8 110.6

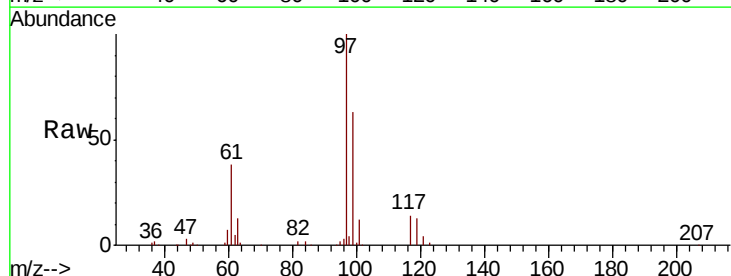


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

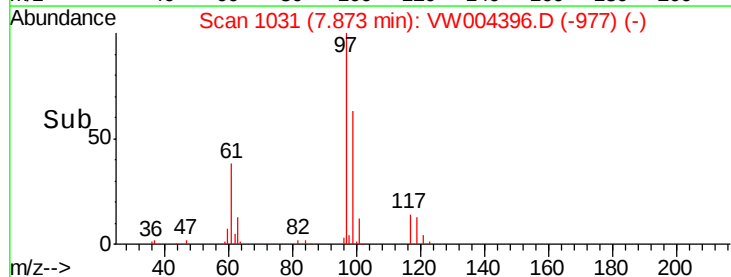
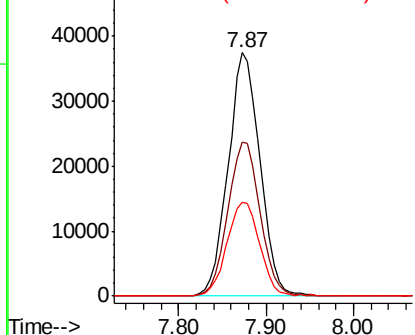


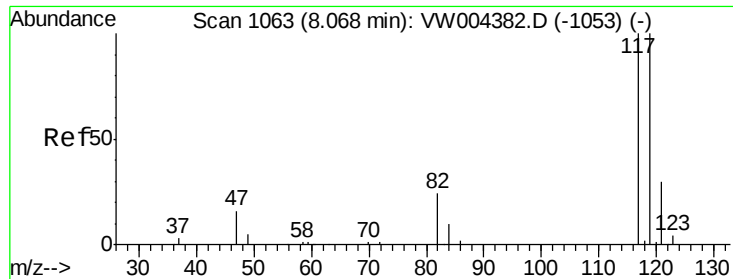
#31
1,1,1-Trichloroethane
Concen: 24.768 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Tgt Ion: 97 Resp: 94813
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 39.6 32.2 48.2



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: 25.417 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

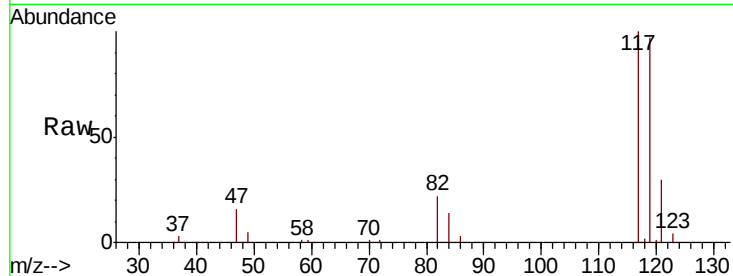
VSTD02588

Tot Ion:117 Resp: 94761

Ion Ratio Lower Upper

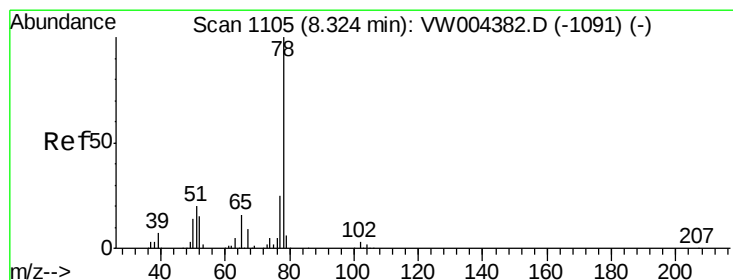
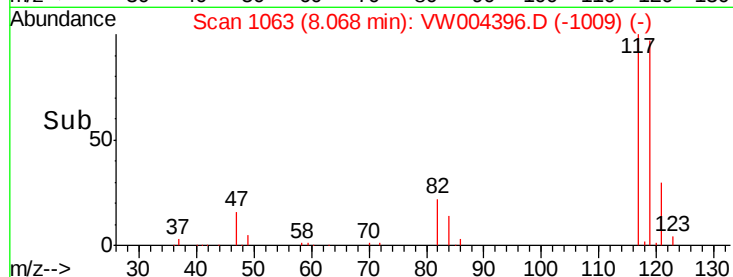
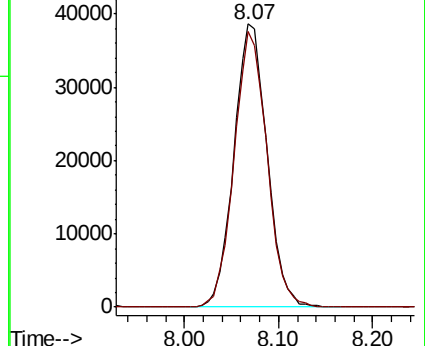
117 100

119 96.4 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: 21.716 ug/L

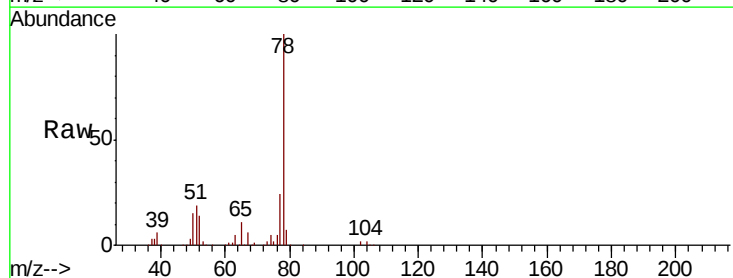
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

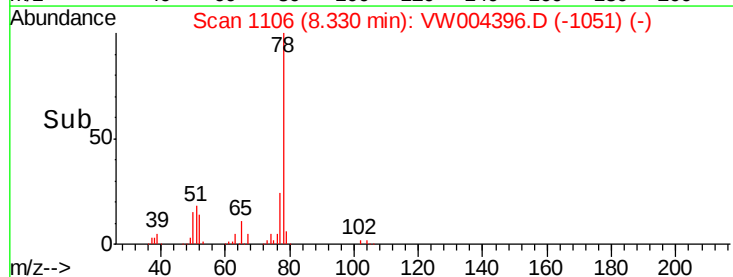
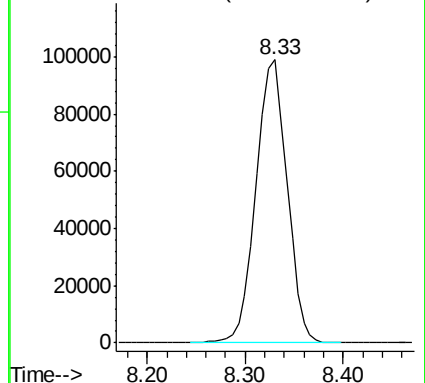
Lab File: VW004396.D

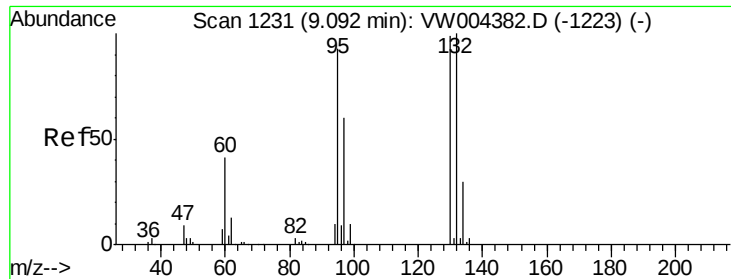
Acq: 02 Aug 2018 04:16

Tgt Ion: 78 Resp: 219917



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.470 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tot Ion: 95 Resp: 60913

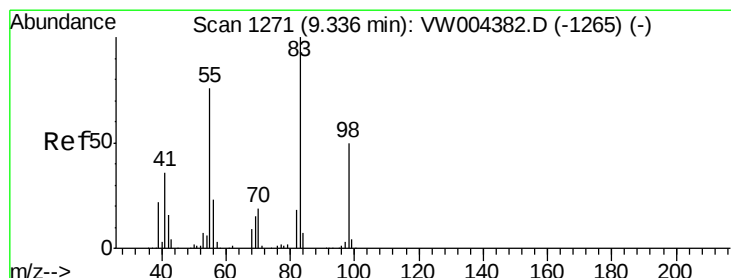
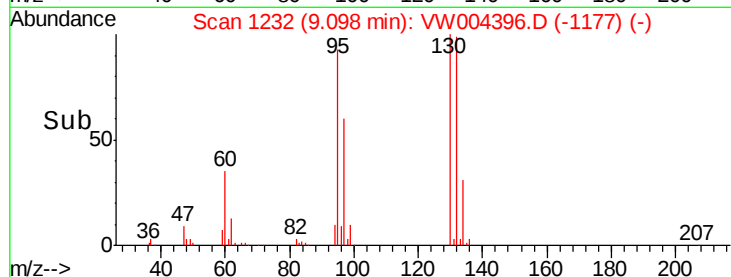
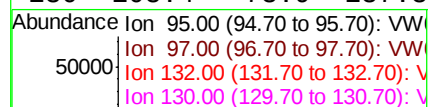
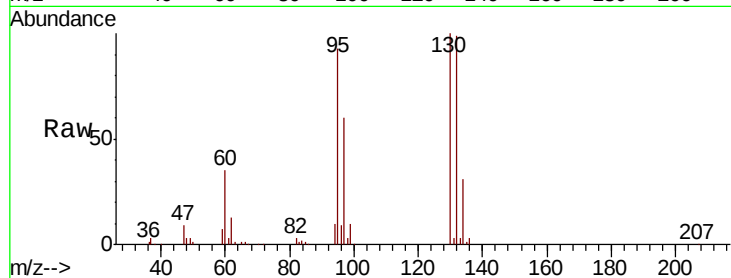
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.6

132 105.7 71.2 132.2

130 108.4 73.9 137.3



#36

Methylcyclohexane

Concen: 21.995 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

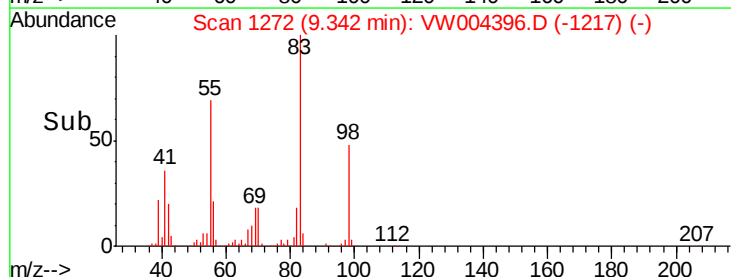
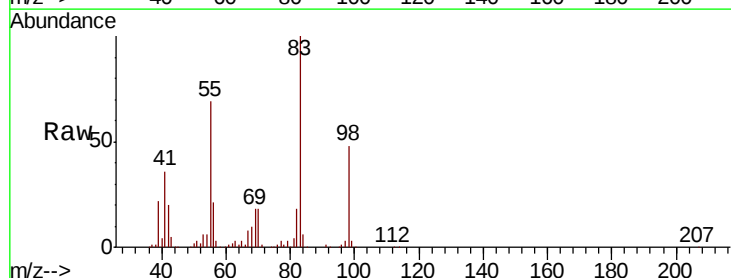
Tgt Ion: 83 Resp: 106355

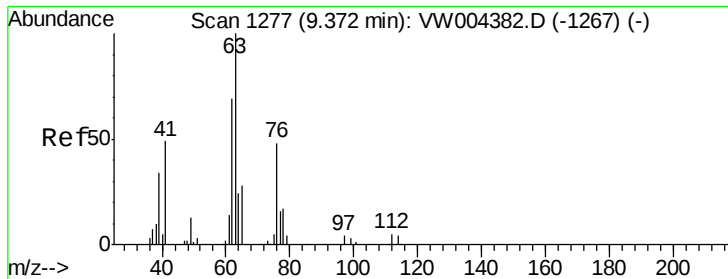
Ion Ratio Lower Upper

83 100

55 71.1 58.2 87.2

98 48.1 37.7 56.5

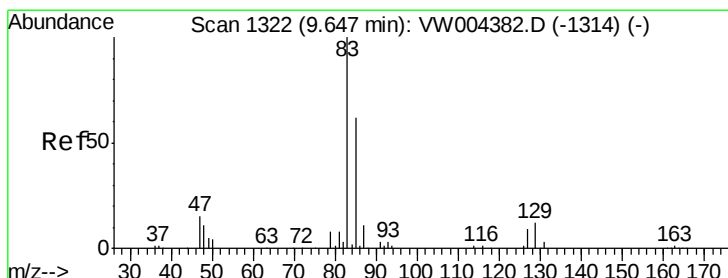
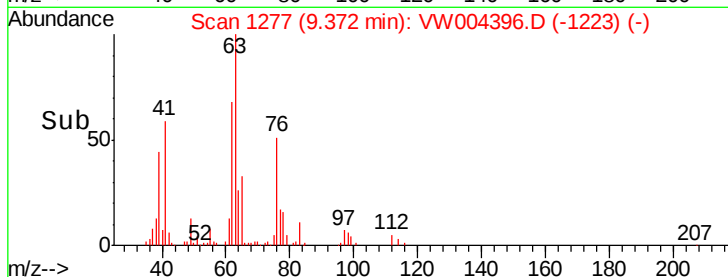
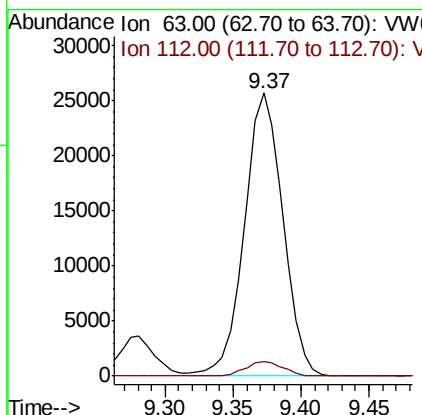
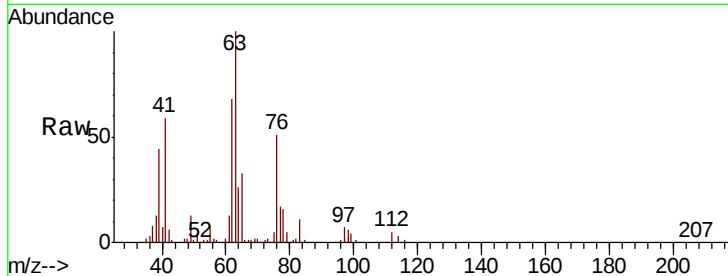




#40
 1,2-Dichloropropane
 Concen: 20.078 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

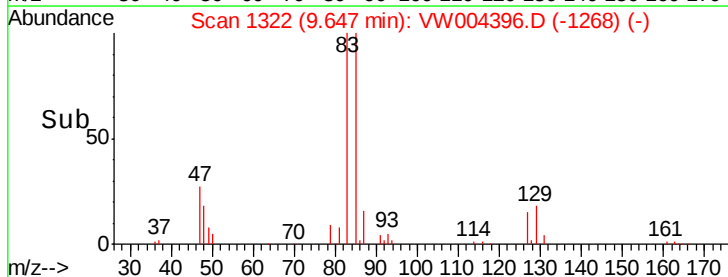
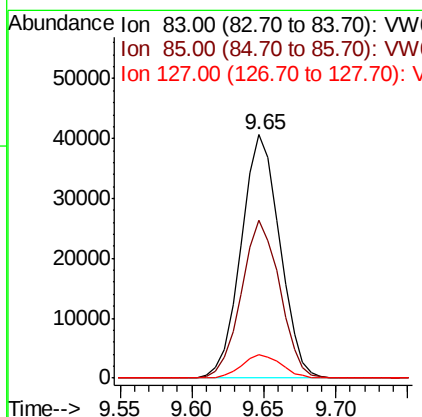
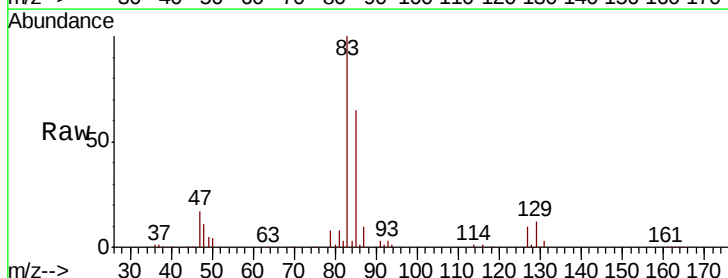
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

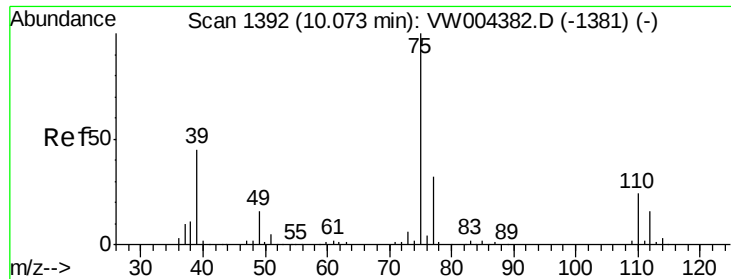
Tot Ion: 63 Resp: 51004
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.4 5.2#



#41
 Bromodichloromethane
 Concen: 22.957 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Tgt Ion: 83 Resp: 75454
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.9 83.3
 127 9.6 7.4 11.0

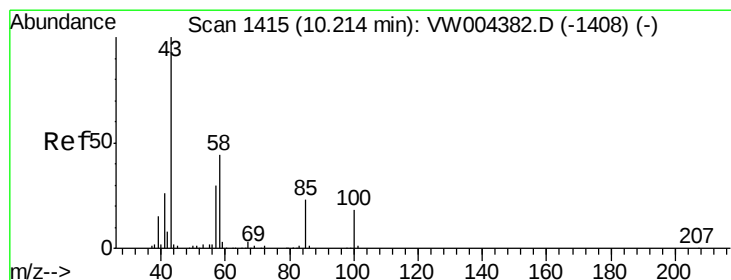
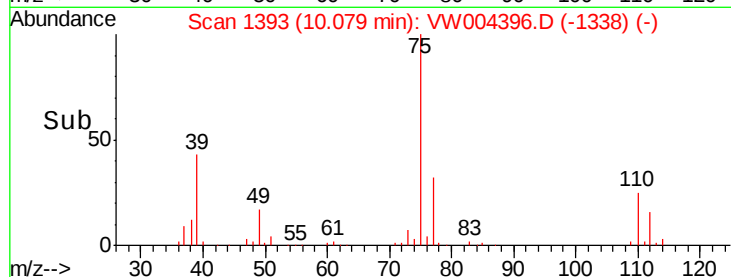
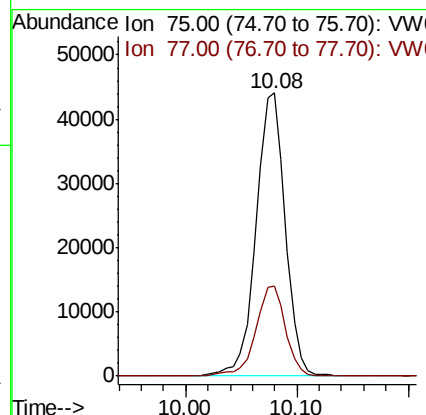
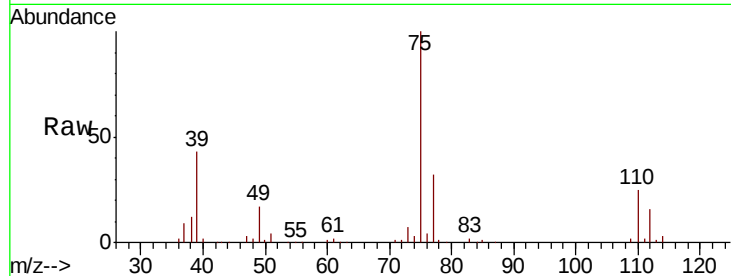




#42
 cis-1,3-Dichloropropene
 Concen: 20.297 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

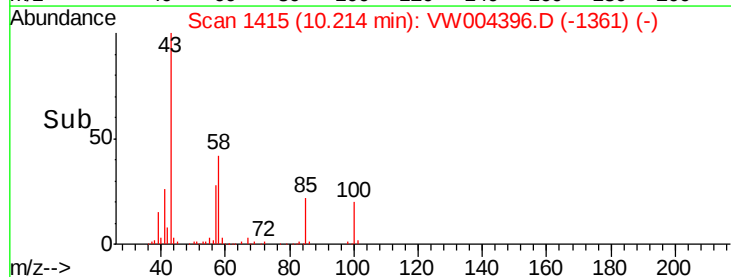
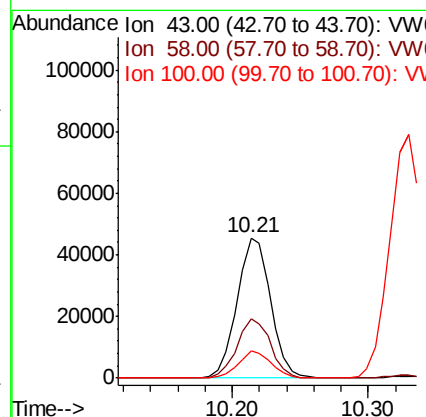
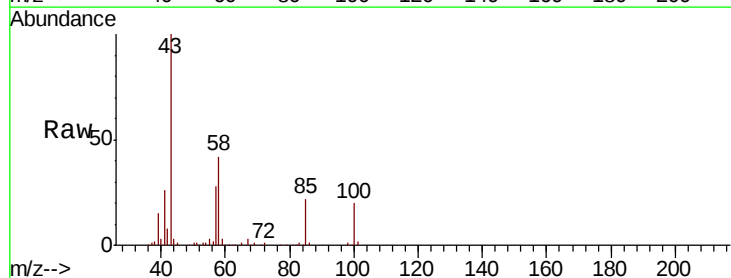
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

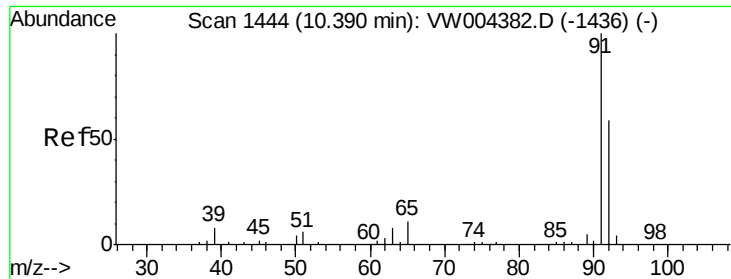
Tot Ion: 75 Resp: 80879
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 38.191 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Tgt Ion: 43 Resp: 78542
 Ion Ratio Lower Upper
 43 100
 58 42.1 32.3 48.5
 100 18.9 13.9 20.9





#44

Toluene

Concen: 22.200 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

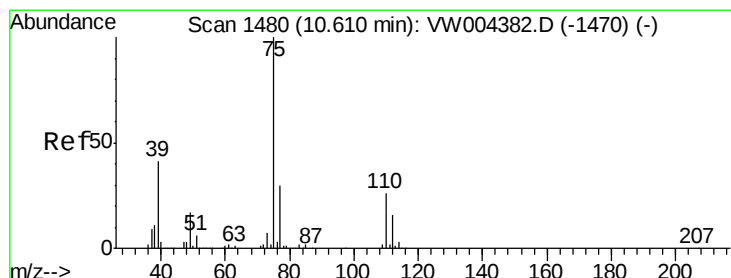
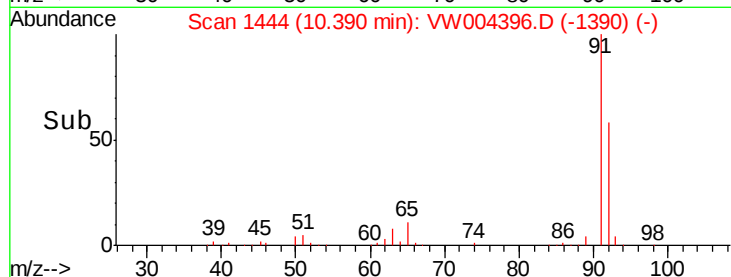
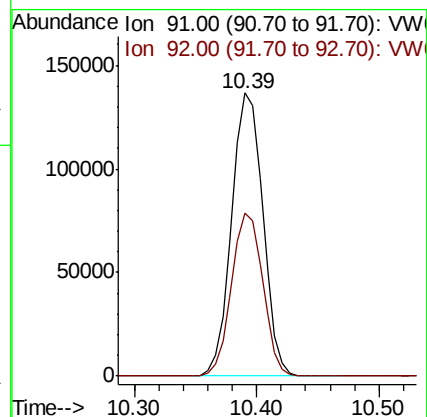
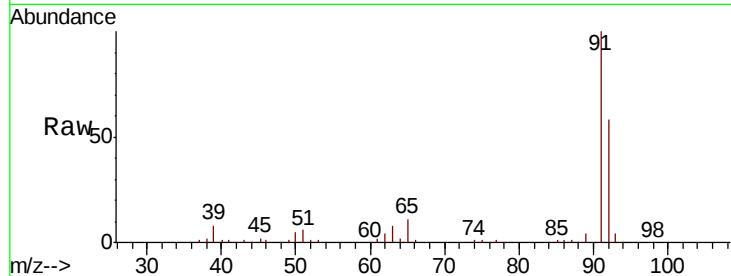
VSTD02588

Tot Ion: 91 Resp: 241766

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 20.937 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004396.D

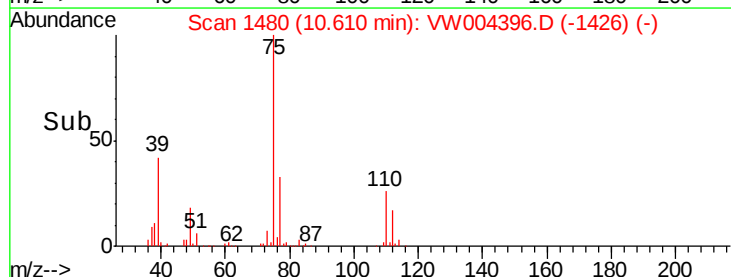
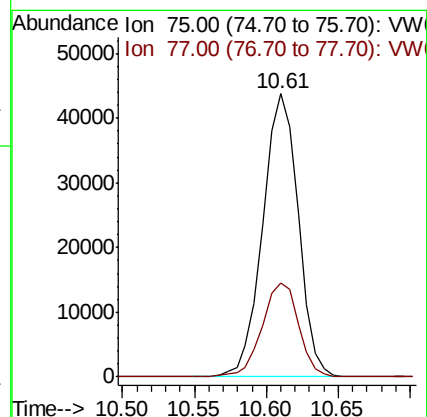
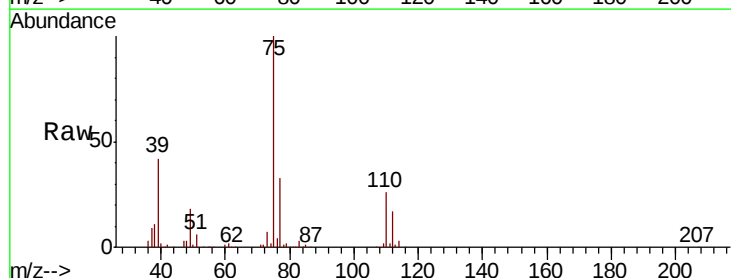
Acq: 02 Aug 2018 04:16

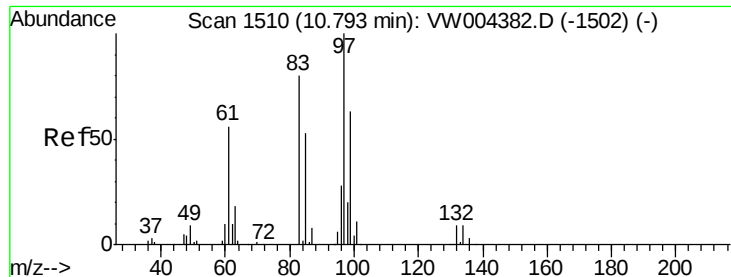
Tgt Ion: 75 Resp: 74900

Ion Ratio Lower Upper

75 100

77 33.2 23.9 44.5

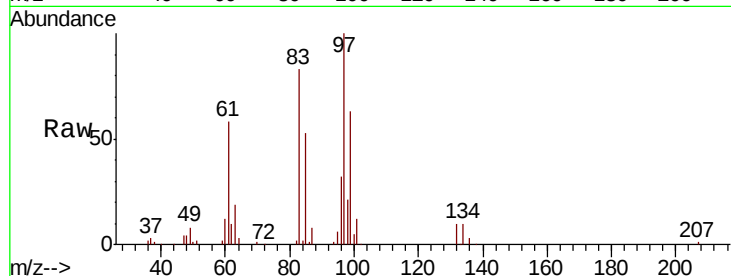




#46
 1,1,2-Trichloroethane
 Concen: 22.190 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tot Ion:	97	Resp:	46484
Ion	Ratio	Lower	Upper
97	100		
83	82.6	59.4	110.2
85	53.2	39.0	72.4
99	63.1	46.0	85.4



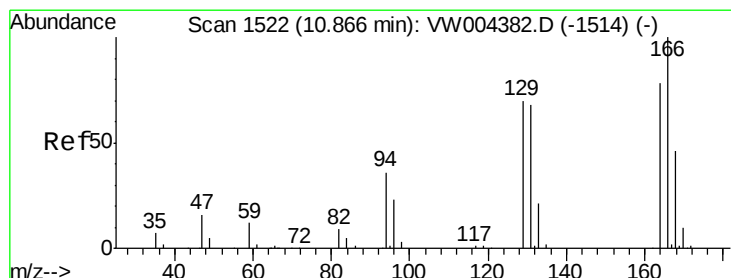
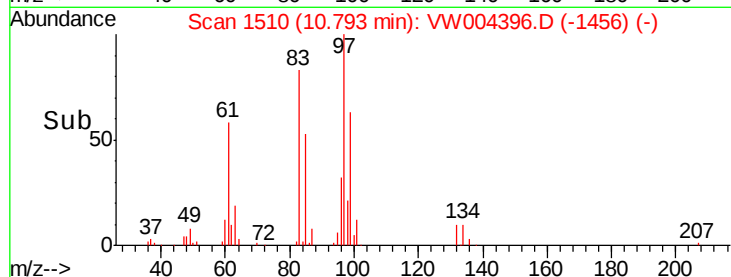
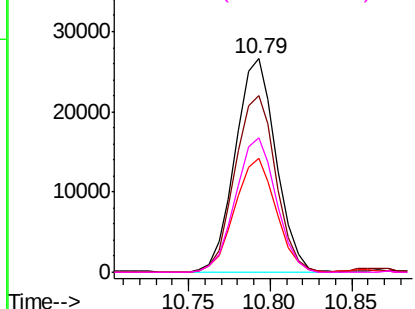
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

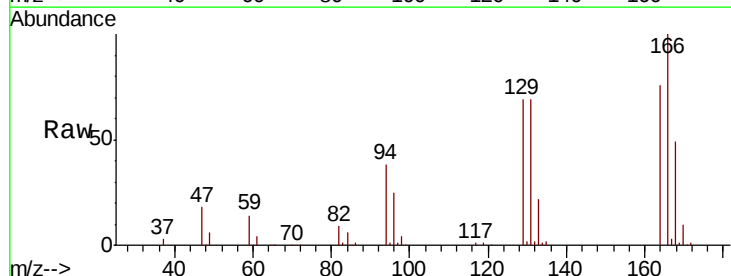
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 23.943 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Tgt Ion:	164	Resp:	55731
Ion	Ratio	Lower	Upper
164	100		
129	90.3	63.7	118.3
131	90.4	61.6	114.4
166	130.8	87.9	163.3



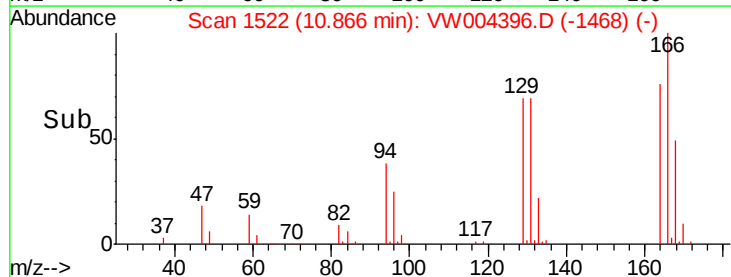
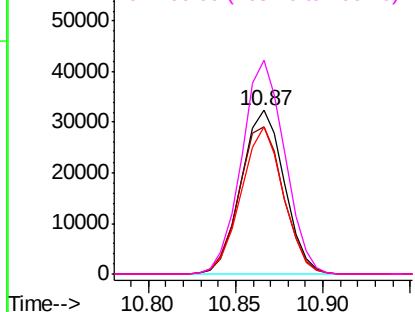
Abundance

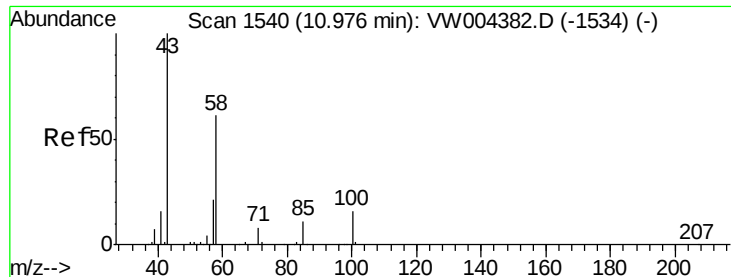
Ion 164.00 (163.70 to 164.70): V

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

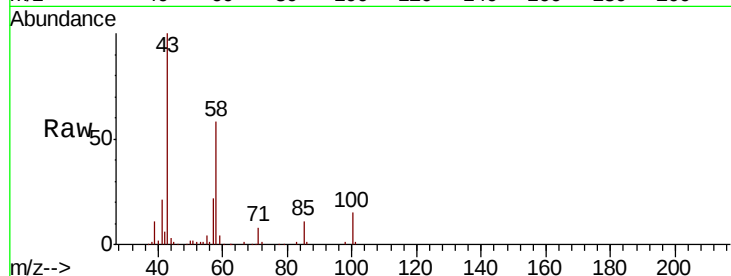




#49
2-Hexanone
Concen: 38.800 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.0	66.0
57	21.7	16.0	24.0
100	14.4	10.7	16.1



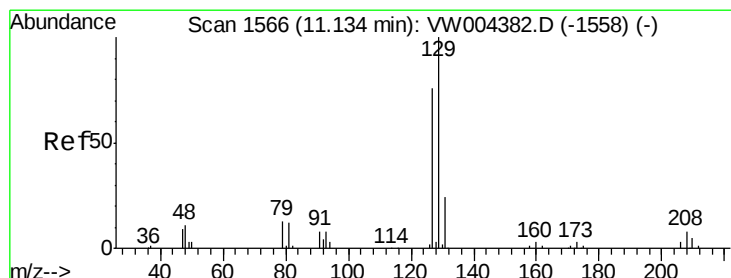
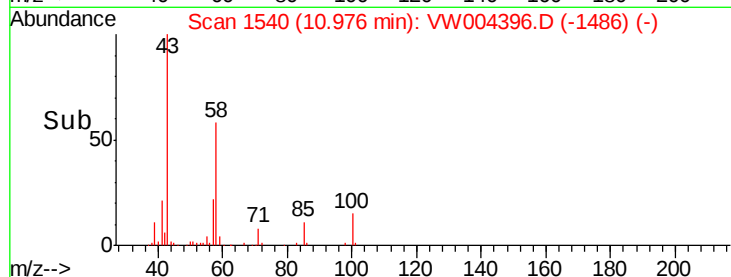
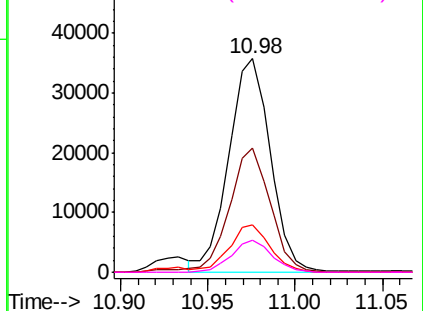
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

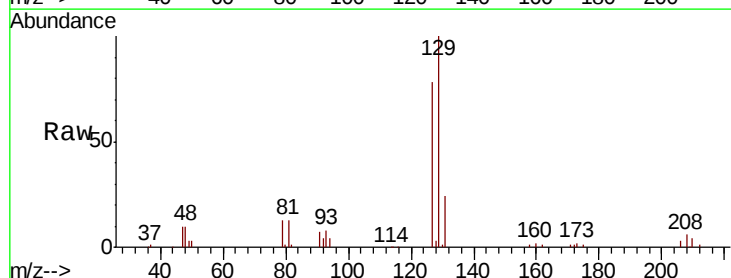
Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50
Dibromochloromethane
Concen: 24.191 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

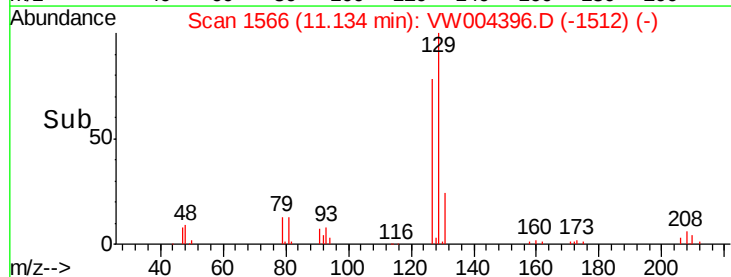
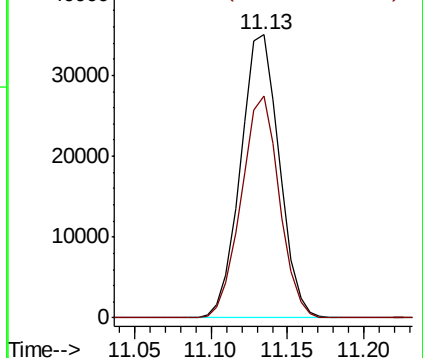
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	55.6	103.2

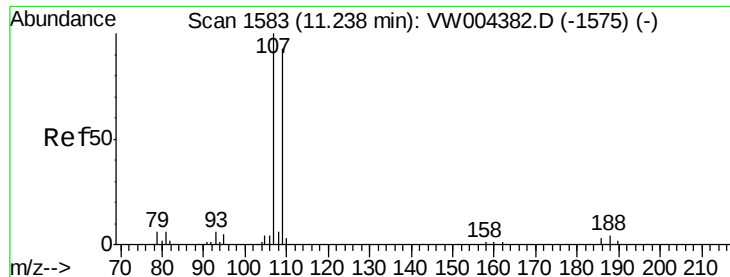


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 23.045 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

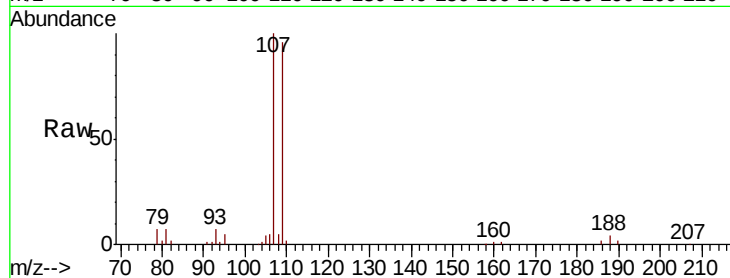
Tot Ion:107 Resp: 47847

Ion Ratio Lower Upper

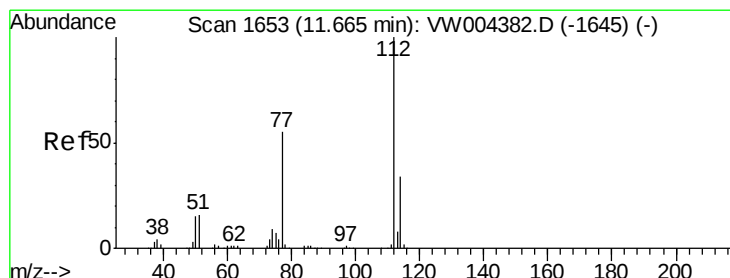
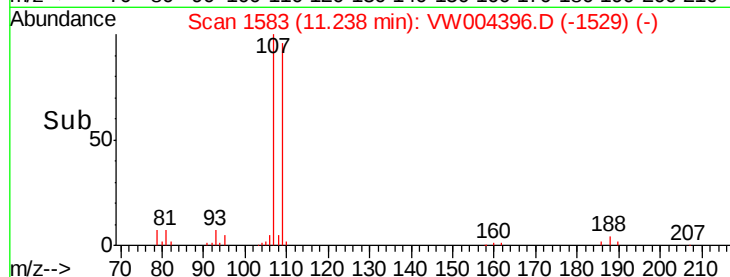
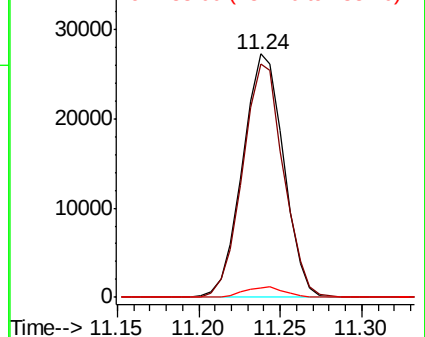
107 100

109 95.8 65.1 120.9

188 3.9 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 22.972 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

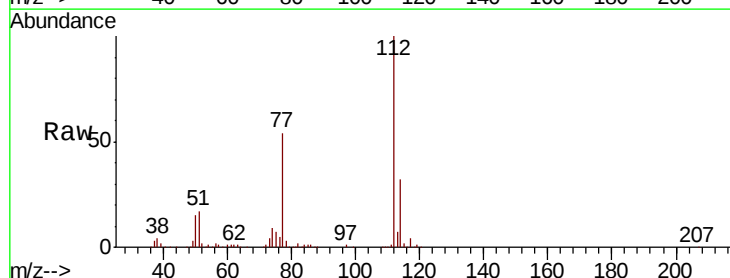
Tgt Ion:112 Resp: 166524

Ion Ratio Lower Upper

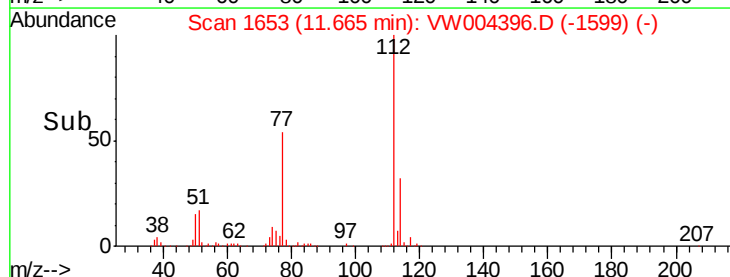
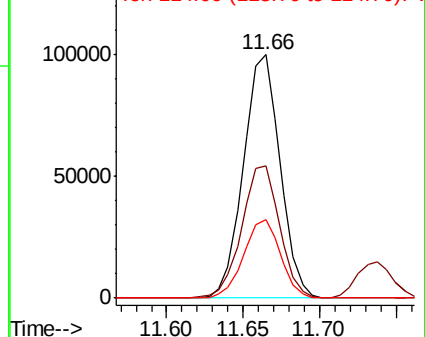
112 100

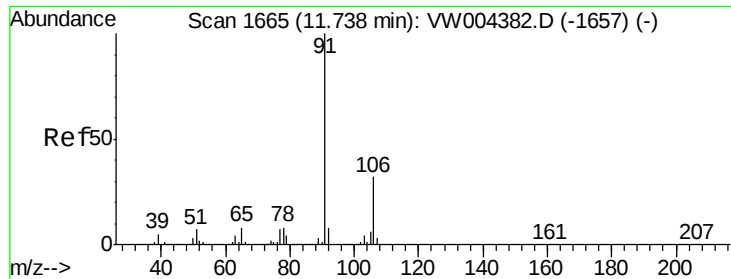
77 54.1 42.9 64.3

114 32.5 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.673 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

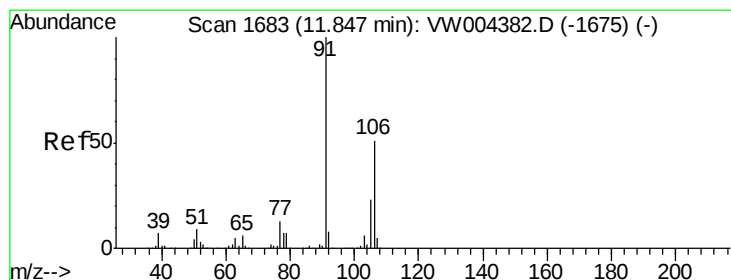
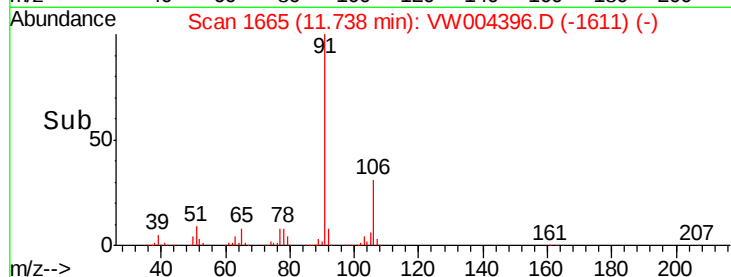
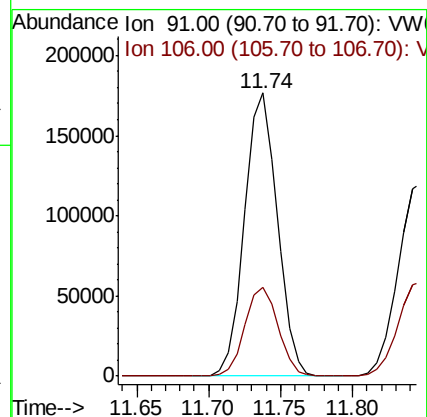
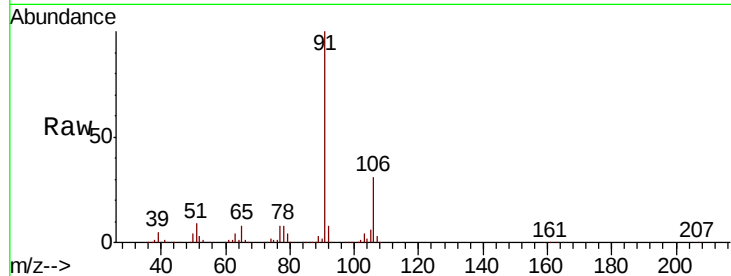
VSTD02588

Tot Ion: 91 Resp: 279329

Ion Ratio Lower Upper

91 100

106 31.4 20.7 38.5



#54

m,p-Xylene

Concen: 23.375 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004396.D

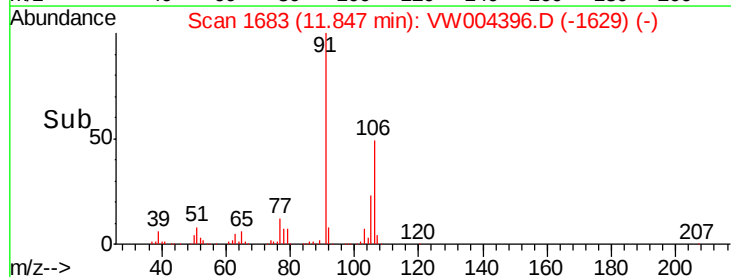
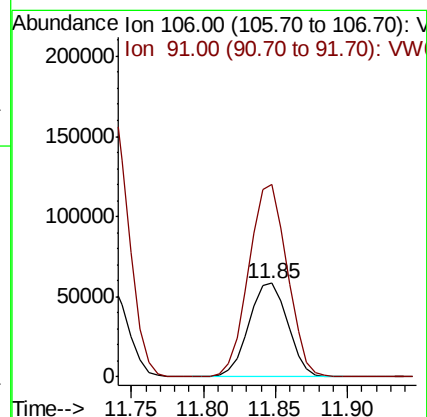
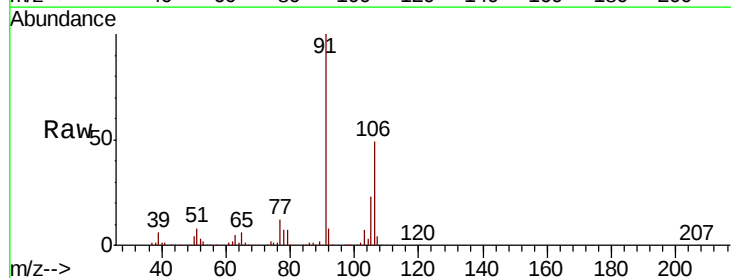
Acq: 02 Aug 2018 04:16

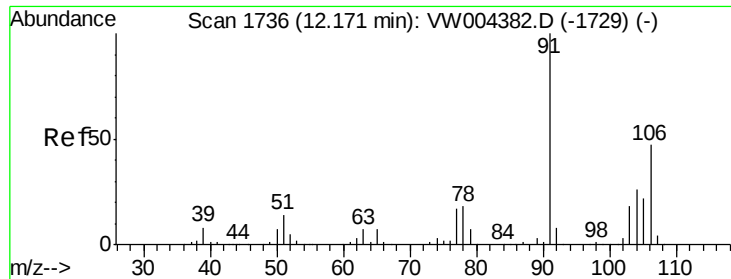
Tgt Ion: 106 Resp: 108933

Ion Ratio Lower Upper

106 100

91 206.0 139.2 258.6

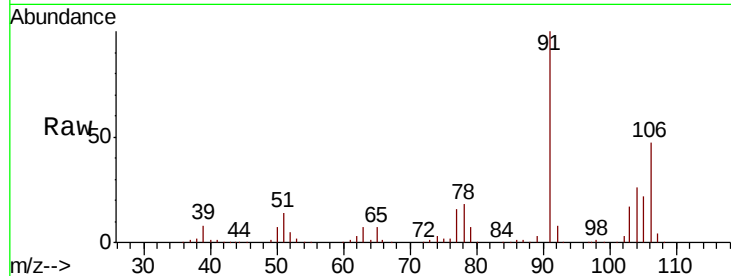




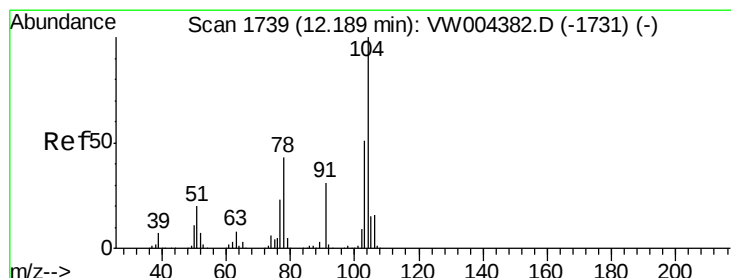
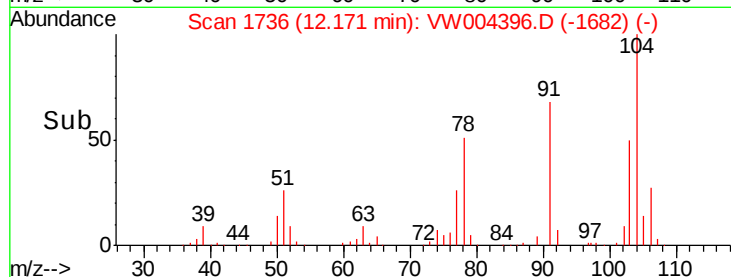
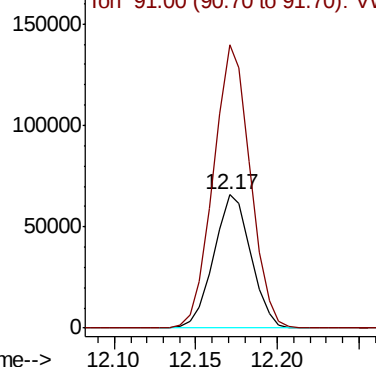
#55
o-xylene
Concen: 23.717 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Tot Ion:106 Resp: 104392
Ion Ratio Lower Upper
106 100
91 212.8 143.4 266.4

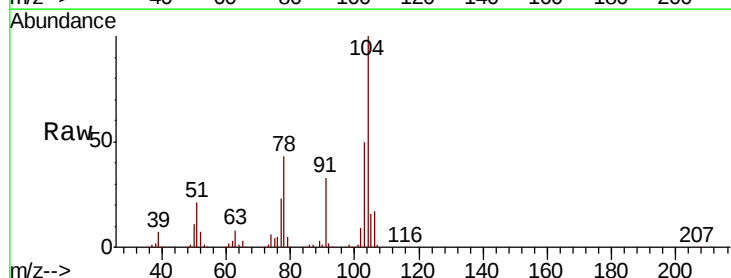


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

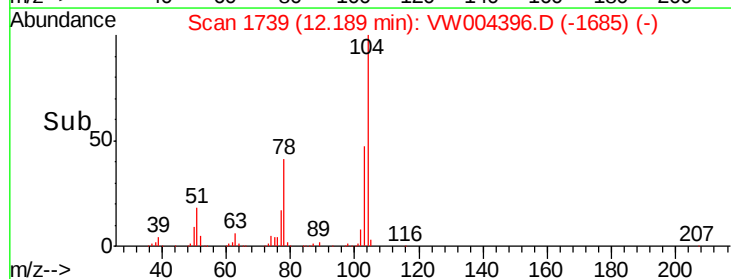
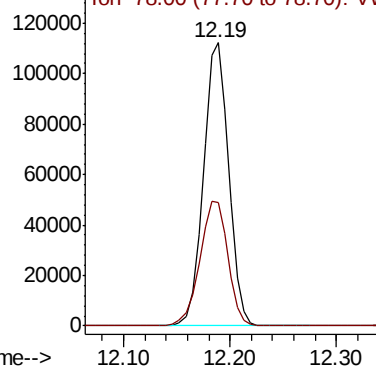


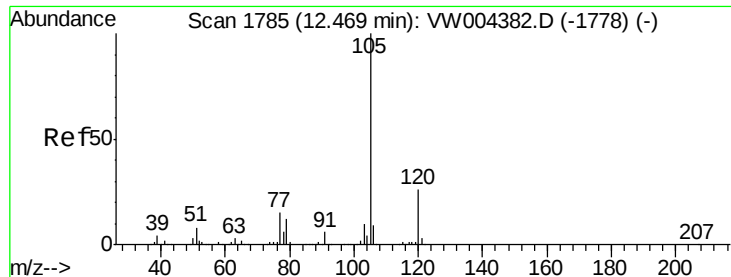
#56
Styrene
Concen: 24.442 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004396.D
Acq: 02 Aug 2018 04:16

Tgt Ion:104 Resp: 186233
Ion Ratio Lower Upper
104 100
78 43.4 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: 23.959 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

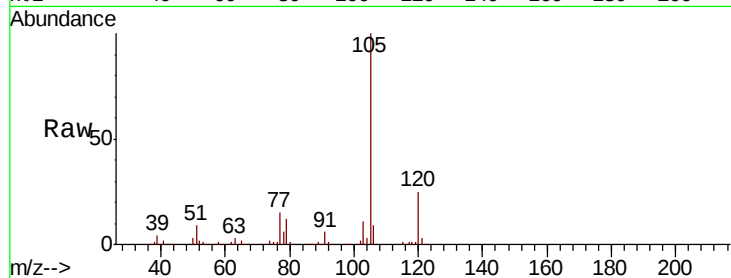
Tot Ion:105 Resp: 295667

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.8

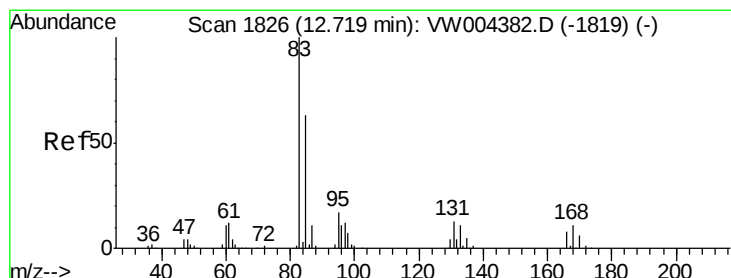
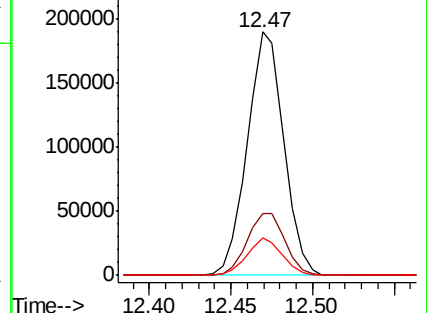
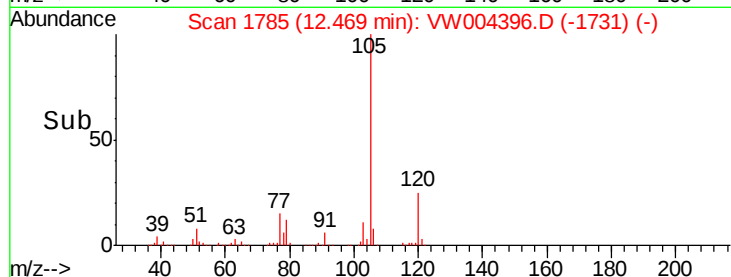
77 14.6 11.8 17.8



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: 21.651 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

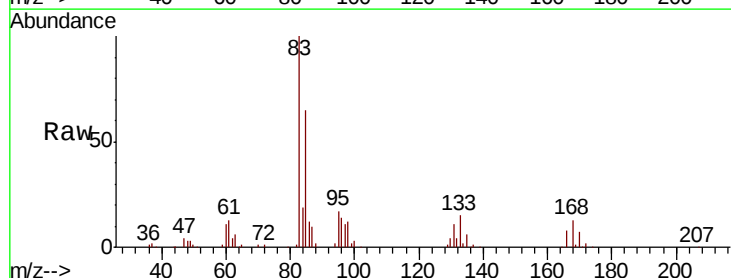
Tgt Ion: 83 Resp: 62269

Ion Ratio Lower Upper

83 100

85 64.6 44.3 82.3

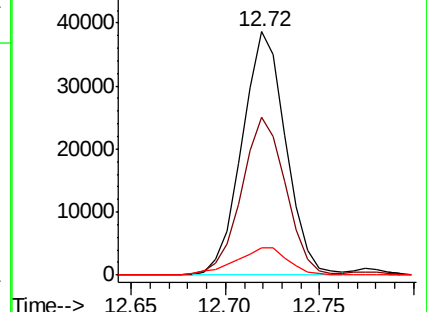
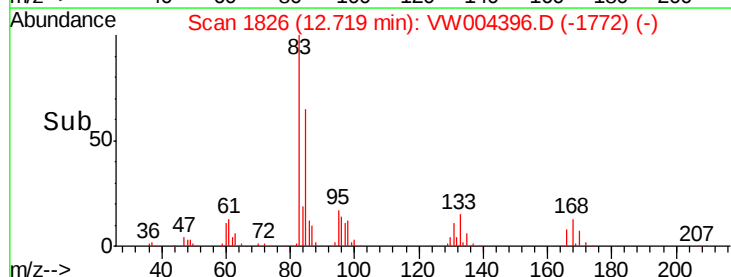
131 11.2 9.1 13.7

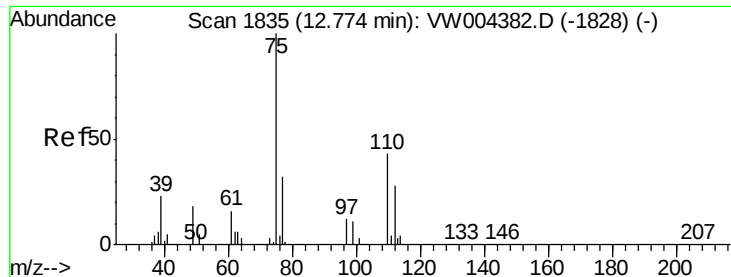


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.178 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

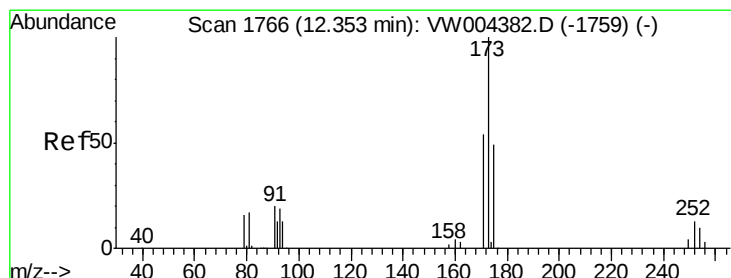
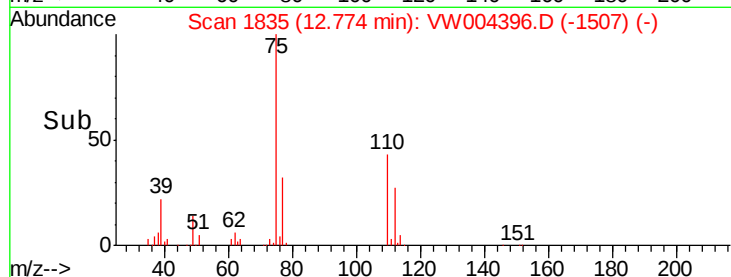
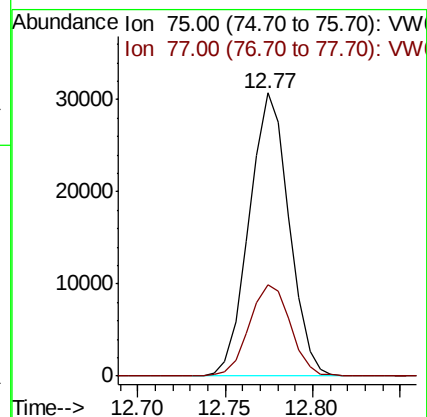
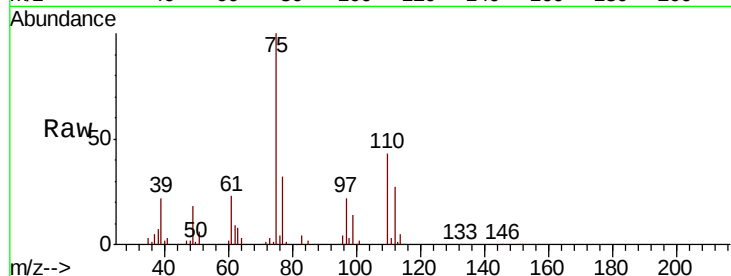
VSTD02588

Tot Ion: 75 Resp: 49111

Ion Ratio Lower Upper

75 100

77 33.2 26.6 40.0



#62

Bromoform

Concen: 24.396 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

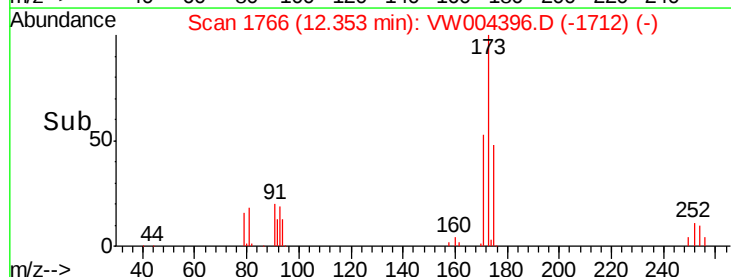
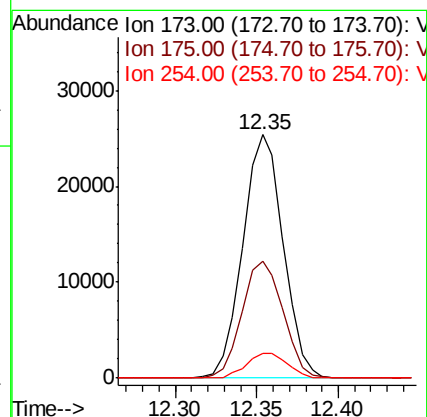
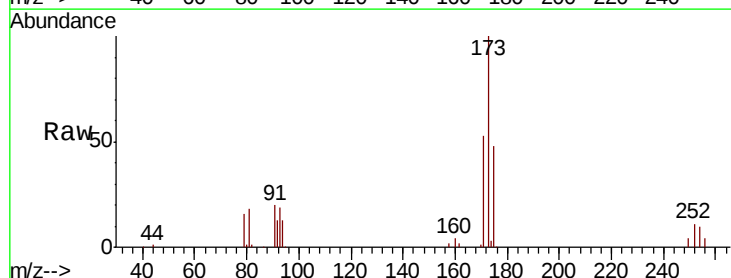
Tgt Ion:173 Resp: 43802

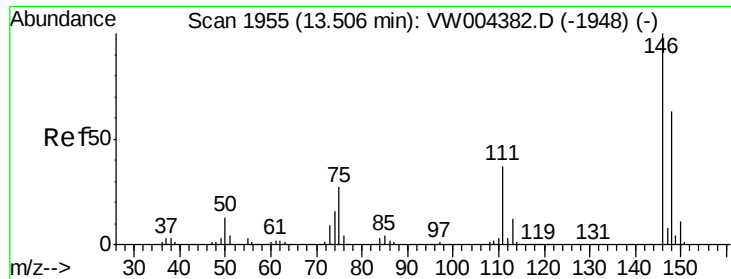
Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.8

254 10.2 8.6 12.8

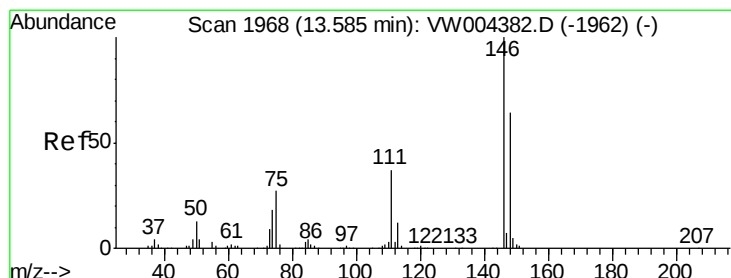
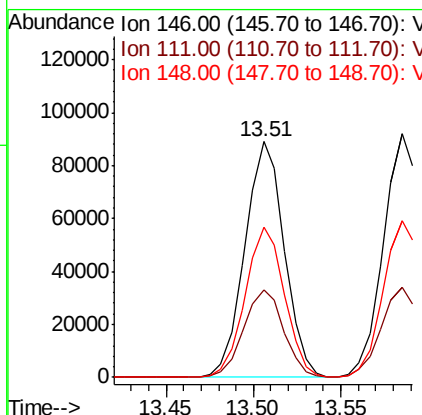
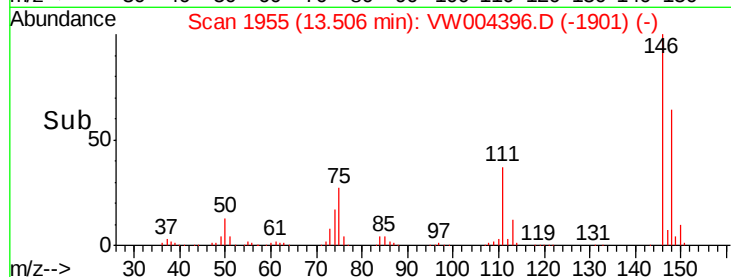
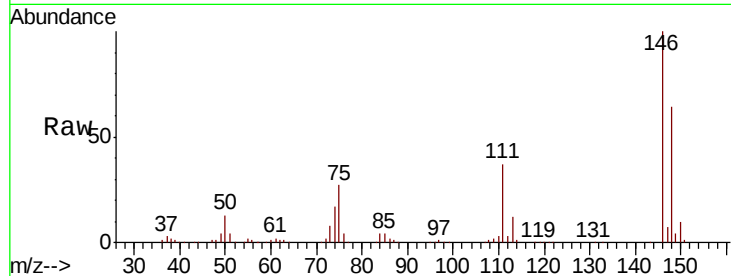




#63
 1,3-Dichlorobenzene
 Concen: 22.435 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

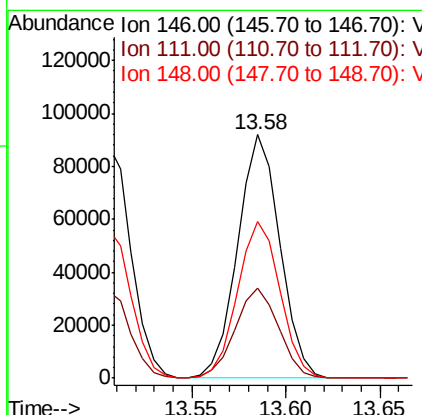
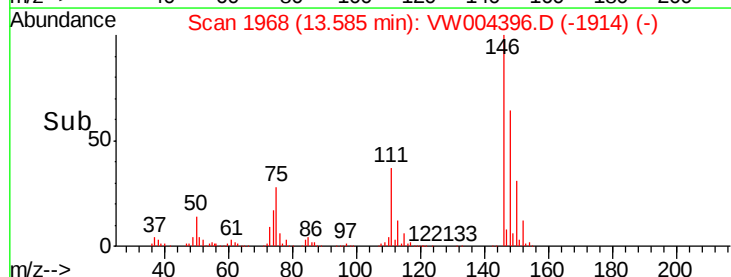
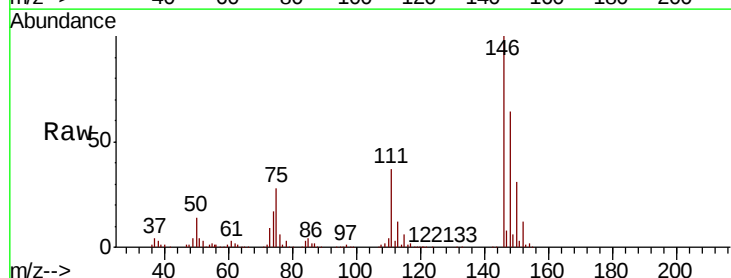
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

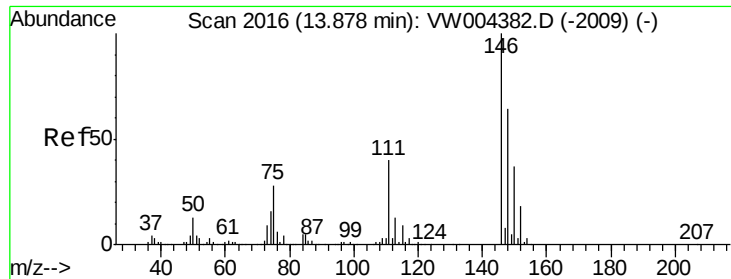
Tot Ion:146 Resp: 139285
 Ion Ratio Lower Upper
 146 100
 111 37.1 28.6 53.2
 148 63.7 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 22.359 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Tgt Ion:146 Resp: 142816
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.4 47.2
 148 64.3 42.8 79.6

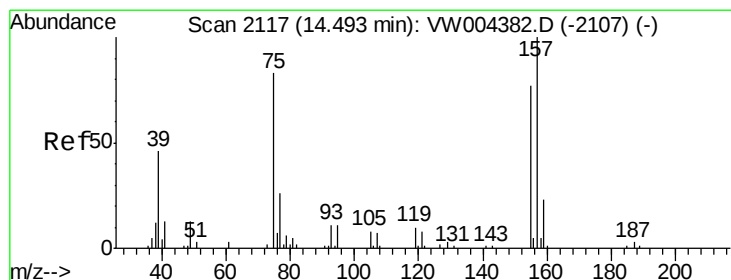
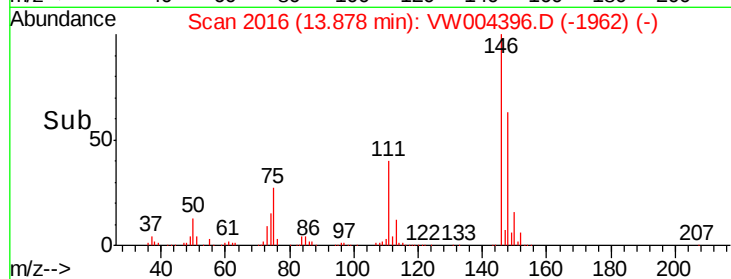
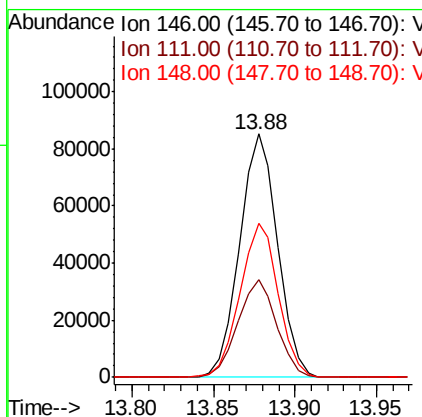
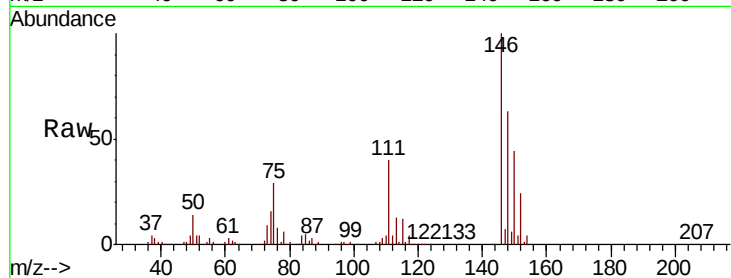




#65
 1,2-Dichlorobenzene
 Concen: 23.411 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

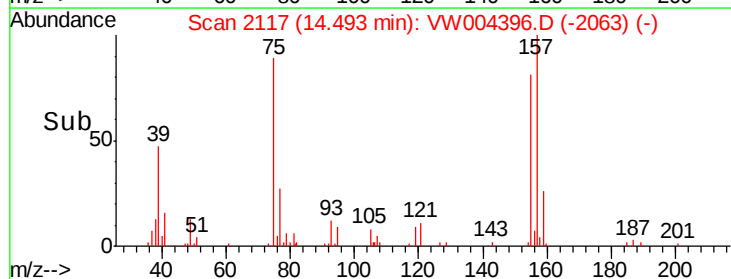
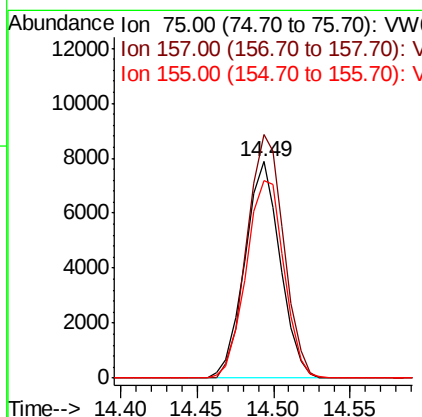
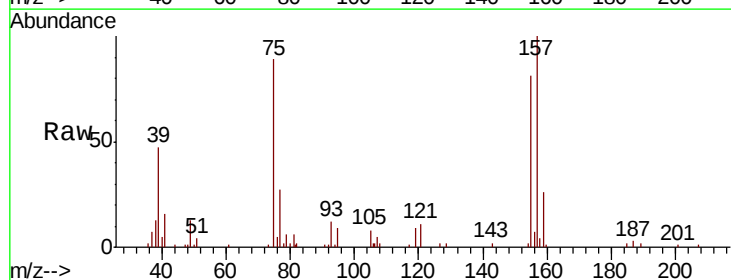
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02588

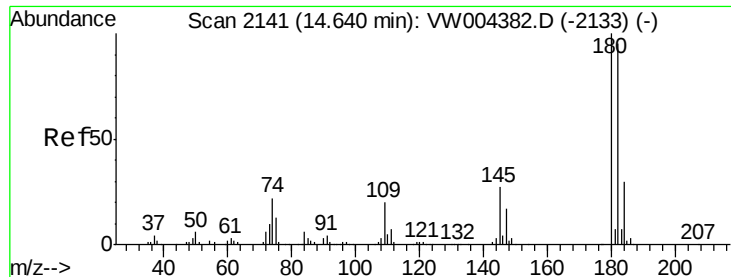
Tot Ion:146 Resp: 137405
 Ion Ratio Lower Upper
 146 100
 111 39.9 30.2 45.4
 148 63.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.879 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Tgt Ion: 75 Resp: 12653
 Ion Ratio Lower Upper
 75 100
 157 112.4 88.6 132.8
 155 91.0 71.8 107.6

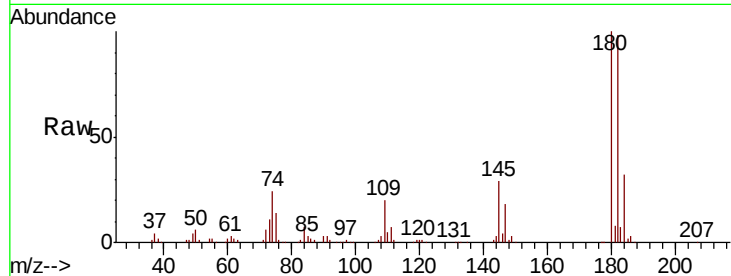




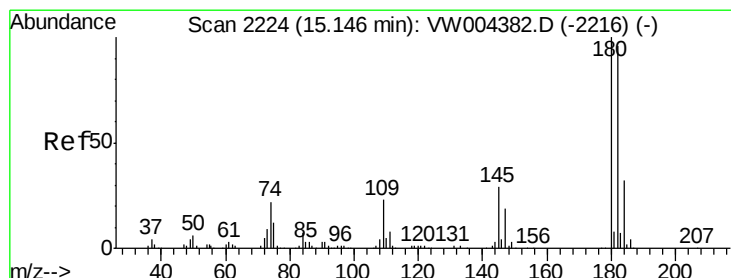
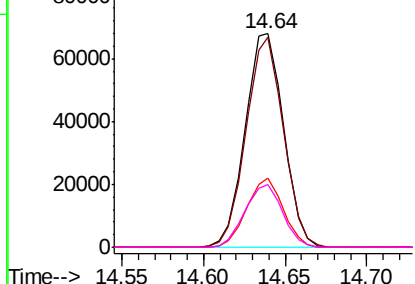
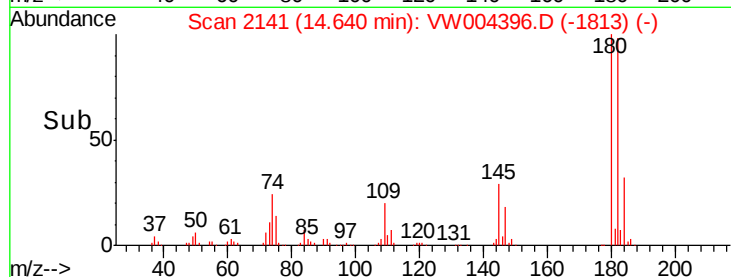
#67
 1,3,5-Trichlorobenzene
 Concen: 22.656 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tot Ion:180 Resp: 111514
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.7 116.5
 184 30.6 24.6 37.0
 145 29.0 23.6 35.4

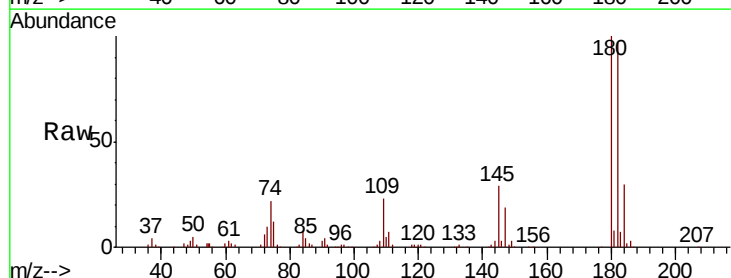


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

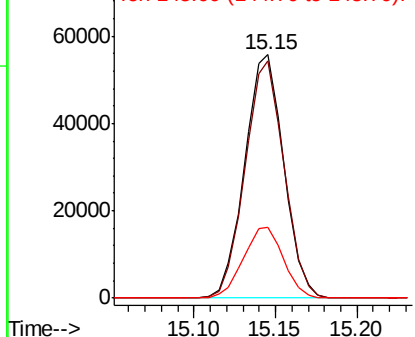
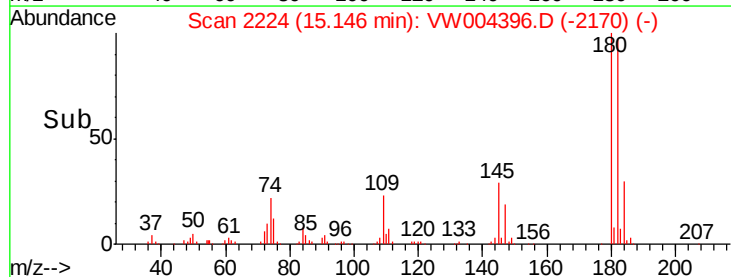


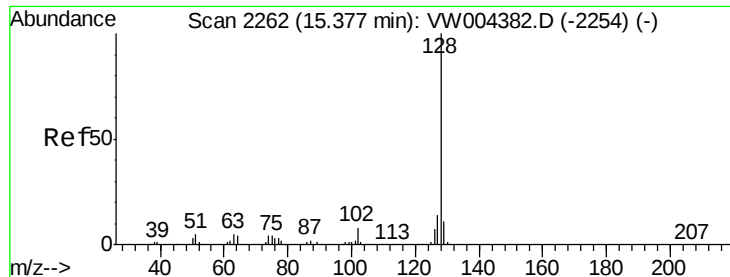
#68
 1,2,4-trichlorobenzene
 Concen: 22.222 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004396.D
 Acq: 02 Aug 2018 04:16

Tgt Ion:180 Resp: 92890
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.5 113.3
 145 29.7 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: 22.417 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

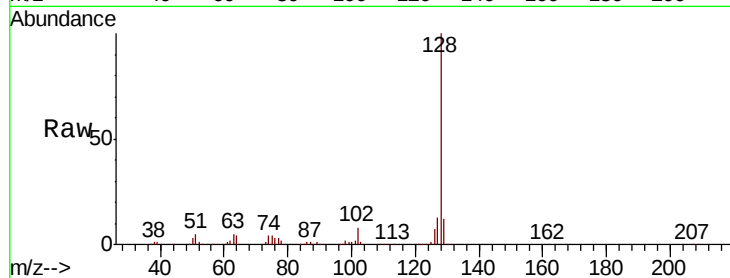
Tot Ion:128 Resp: 211764

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

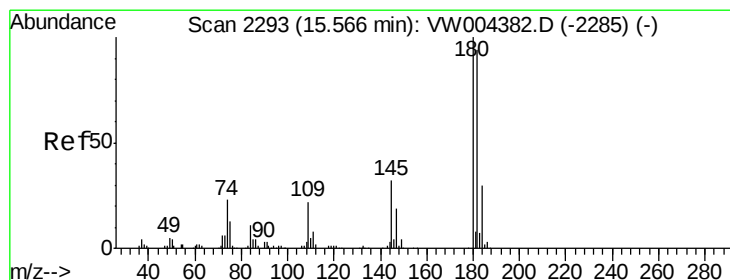
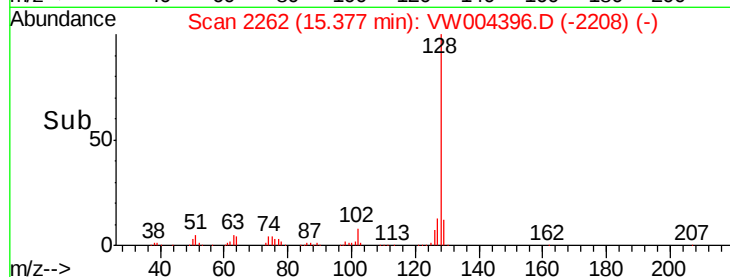
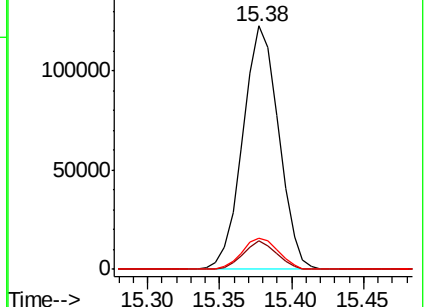
127 13.1 10.4 15.6



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: 23.697 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004396.D

Acq: 02 Aug 2018 04:16

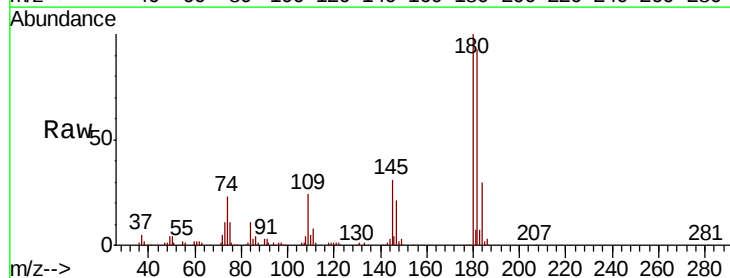
Tgt Ion:180 Resp: 91658

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

145 31.6 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

