

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032219\
 Data File : VW009339.D
 Acq On : 22 Mar 2019 10:19
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Mar 23 00:13:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 23:40:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	436732	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	413921	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	219126	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	133031	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.96%
7) Chloroethane-d5	2.89	69	138628	22.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.80%
10) 1,1-Dichloroethene-d2	4.02	63	288550	25.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.32%
20) 2-Butanone-d5	7.08	46	115066	53.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.62%
24) Chloroform-d	7.64	84	310168	26.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	8.30	65	188585	26.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.08%
29) Benzene-d6	8.27	84	574857	25.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.72%
33) 1,2-Dichloropropane-d6	9.27	67	176566	25.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.00%
37) Toluene-d8	10.32	98	535571	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.48%
38) trans-1,3-Dichloropropene-	10.58	79	87908	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.12%
39) 2-Hexanone-d5	10.93	63	92312	55.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	184714	27.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	208699	24.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	125086	21.742 ug/L	92
3) Chloromethane	2.22	50	142404	23.330 ug/L	97
5) Vinyl chloride	2.37	62	190687	30.351 ug/L	98
6) Bromomethane	2.78	94	136609	25.953 ug/L	98
8) Chloroethane	2.93	64	133809	25.742 ug/L	95
9) Trichlorofluoromethane	3.25	101	109227	22.009 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	150632	26.282 ug/L	93
12) 1,1-Dichloroethene	4.03	96	146670	27.272 ug/L	96
13) Acetone	4.12	43	92929	52.503 ug/L	97
14) Carbon disulfide	4.38	76	419098	28.956 ug/L	99
15) Methyl Acetate	4.67	43	92769	26.680 ug/L	98
16) Methylene chloride	4.92	84	150299	23.599 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	195016	25.628 ug/L #	77
18) trans-1,2-Dichloroethene	5.42	96	149034	26.358 ug/L	97
19) 1,1-Dichloroethane	6.21	63	276204	26.791 ug/L	98
21) 2-Butanone	7.17	43	132366	54.162 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	162042	26.455 ug/L	95

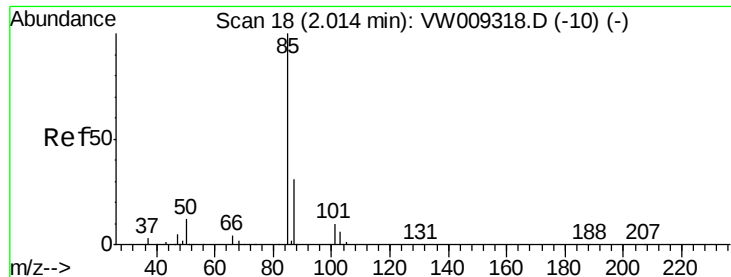
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032219\
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 QLast Update : Fri Mar 22 23:40:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	75438	25.678	ug/L	97
25) Chloroform	7.67	83	289777	26.839	ug/L	100
27) 1,2-Dichloroethane	8.40	62	220423	27.383	ug/L	98
30) Cyclohexane	7.95	56	244809	26.042	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	227921	27.570	ug/L	100
32) Carbon tetrachloride	8.06	117	233890	28.041	ug/L	99
34) Benzene	8.32	78	620374	27.383	ug/L	100
35) Trichloroethene	9.09	95	161925	26.823	ug/L	99
36) Methylcyclohexane	9.34	83	271219	25.968	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155832	26.804	ug/L	99
41) Bromodichloromethane	9.64	83	220622	27.389	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	251076	26.516	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	274508	52.108	ug/L	99
44) Toluene	10.38	91	672108	27.133	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	223274	27.106	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	125575	27.075	ug/L	98
47) Tetrachloroethene	10.86	164	135945	26.651	ug/L	94
49) 2-Hexanone	10.97	43	205621	55.418	ug/L	100
50) Dibromochloromethane	11.13	129	154476	26.980	ug/L	97
51) 1,2-Dibromoethane	11.23	107	126720	26.951	ug/L	94
52) Chlorobenzene	11.66	112	426687	26.857	ug/L	98
53) Ethylbenzene	11.73	91	767959	27.576	ug/L	100
54) m,p-Xylene	11.84	106	286940	27.120	ug/L	93
55) o-xylene	12.16	106	277679	26.902	ug/L	96
56) Styrene	12.18	104	485872	27.589	ug/L	97
57) Isopropylbenzene	12.46	105	758448	27.430	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	174710	27.922	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	129424	27.872	ug/L	99
62) Bromoform	12.35	173	98873	26.705	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	334743	25.632	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	356730	26.420	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	334151	26.830	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	32670	26.765	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	265116	26.027	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	222220	25.971	ug/L	100
69) Naphthalene	15.37	128	480676	27.097	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	211907	26.442	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 21.742 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

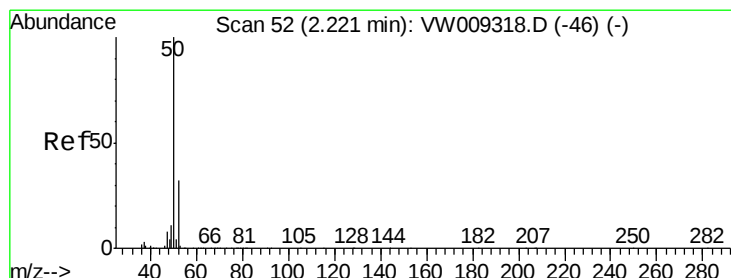
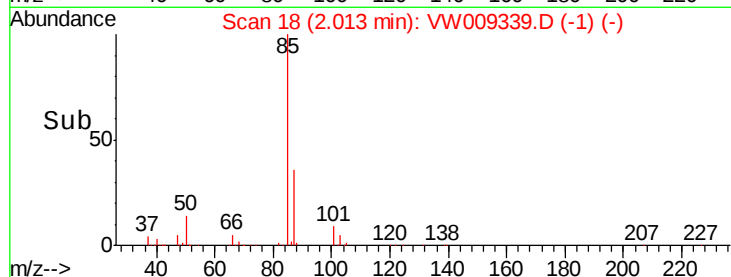
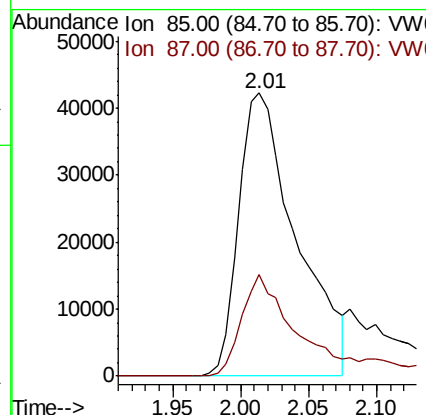
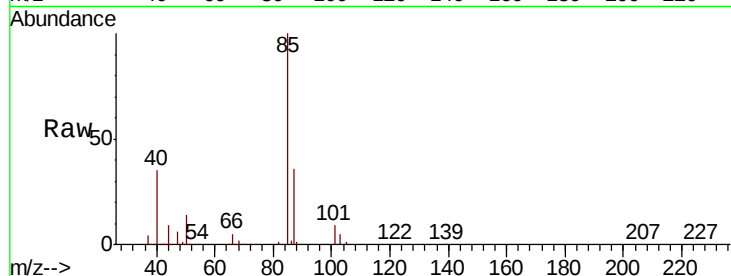
VSTD02519

Tgt Ion: 85 Resp: 125086

Ion Ratio Lower Upper

85 100

87 32.1 19.5 36.3



#3

Chloromethane

Concen: 23.330 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009339.D

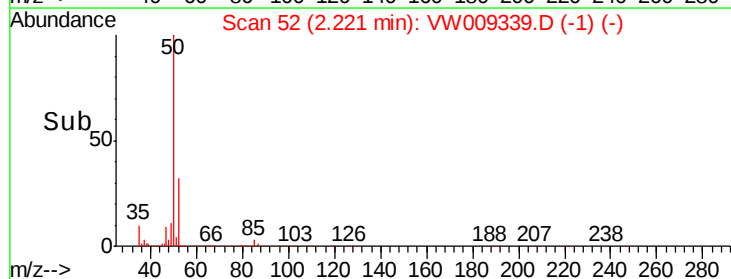
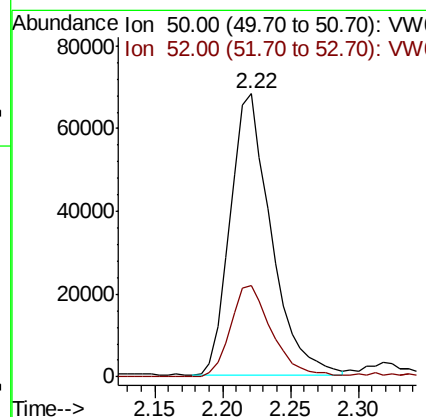
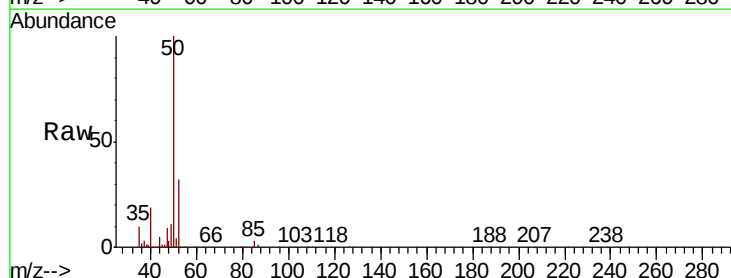
Acq: 22 Mar 2019 10:19

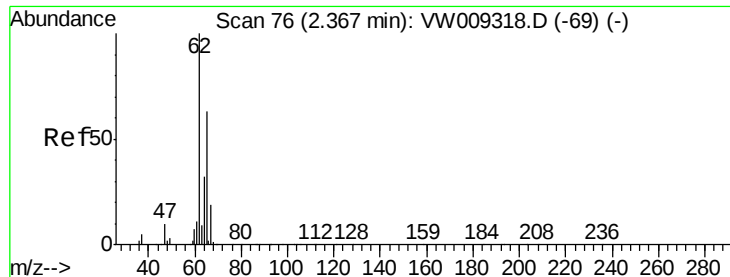
Tgt Ion: 50 Resp: 142404

Ion Ratio Lower Upper

50 100

52 32.5 21.6 40.2





#5

Vinyl chloride

Concen: 30.351 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

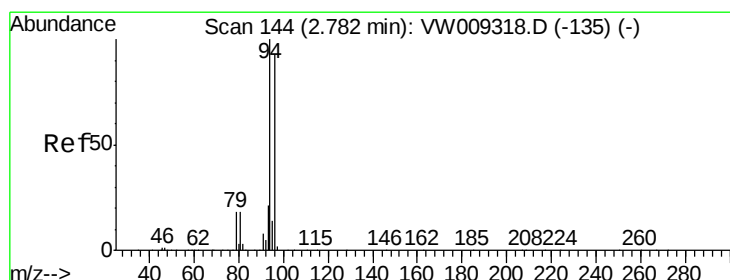
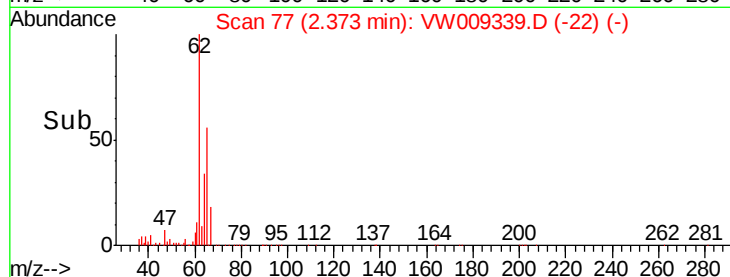
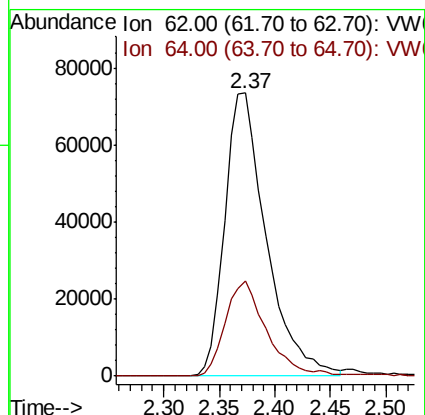
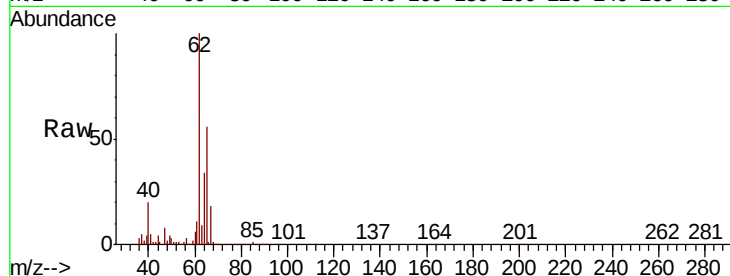
VSTD02519

Tgt Ion: 62 Resp: 190687

Ion Ratio Lower Upper

62 100

64 33.8 23.0 42.6



#6

Bromomethane

Concen: 25.953 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW009339.D

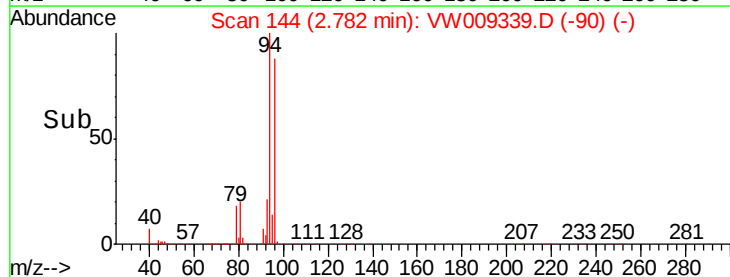
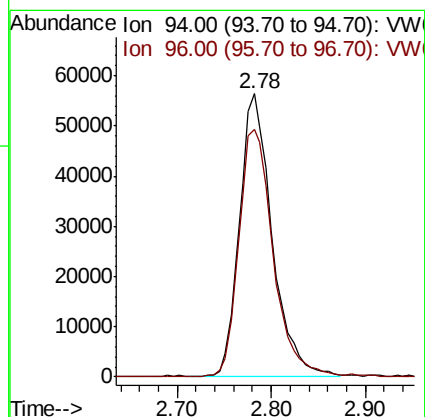
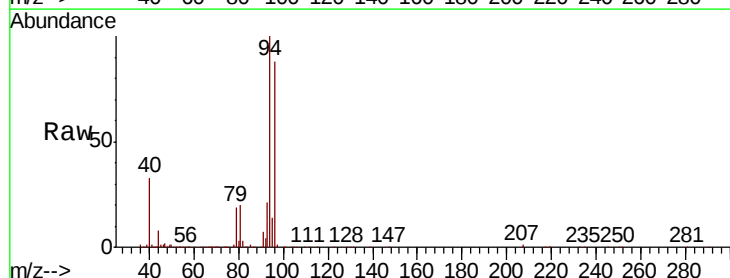
Acq: 22 Mar 2019 10:19

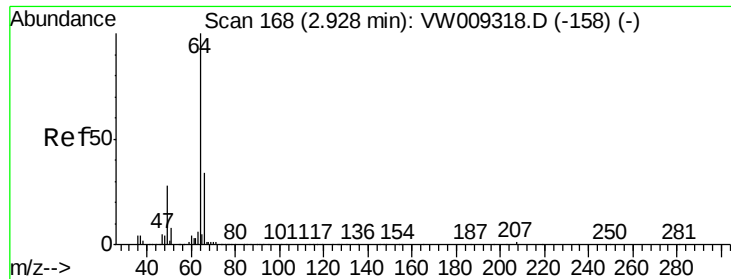
Tgt Ion: 94 Resp: 136609

Ion Ratio Lower Upper

94 100

96 91.7 9.4 178.4

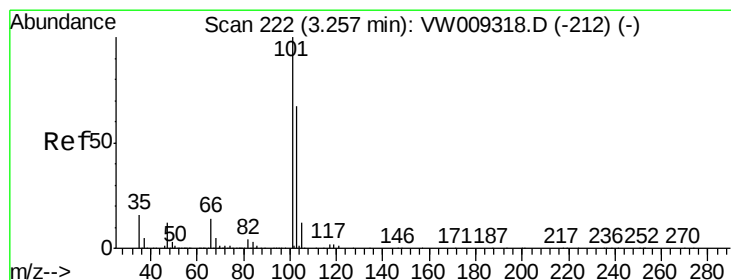
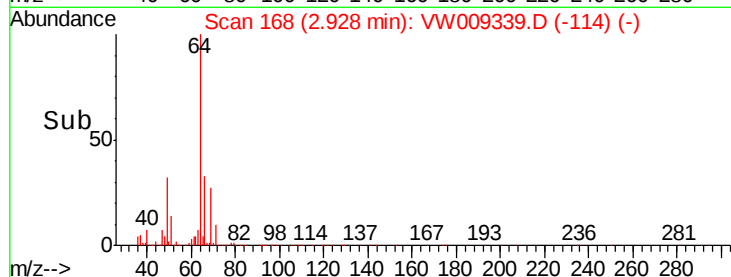
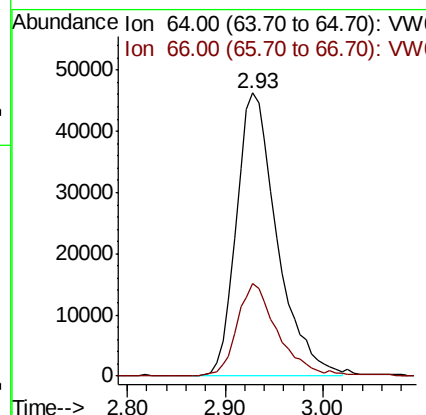
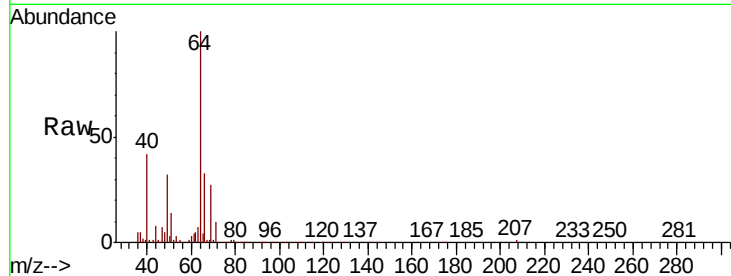




#8
Chloroethane
Concen: 25.742 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

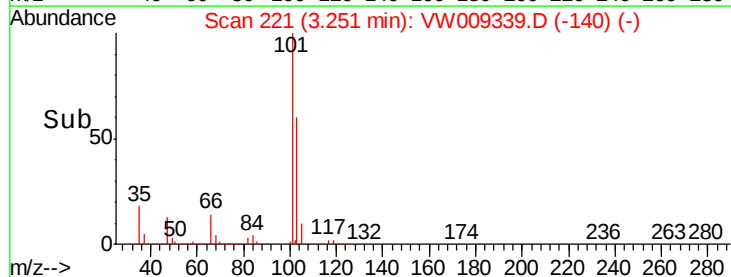
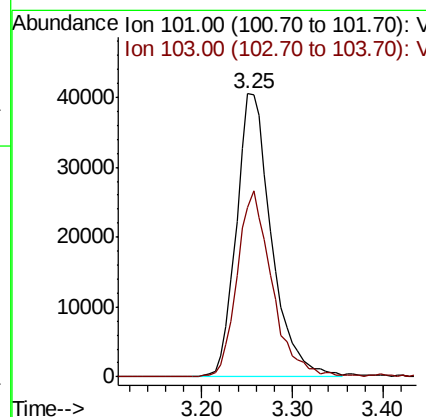
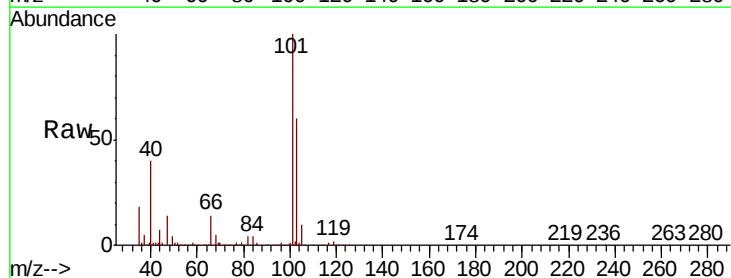
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

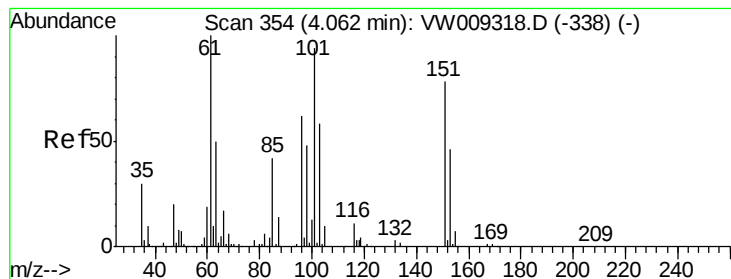
Tgt Ion: 64 Resp: 133809
Ion Ratio Lower Upper
64 100
66 32.8 25.1 46.7



#9
Trichlorofluoromethane
Concen: 22.009 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

Tgt Ion: 101 Resp: 109227
Ion Ratio Lower Upper
101 100
103 64.3 45.0 83.6





#11

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

Concen: 26.282 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

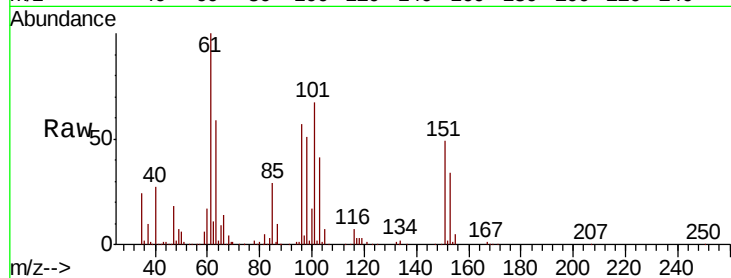
Tgt Ion: 101 Resp: 150632

Ion Ratio Lower Upper

101 100

85 44.4 32.6 48.8

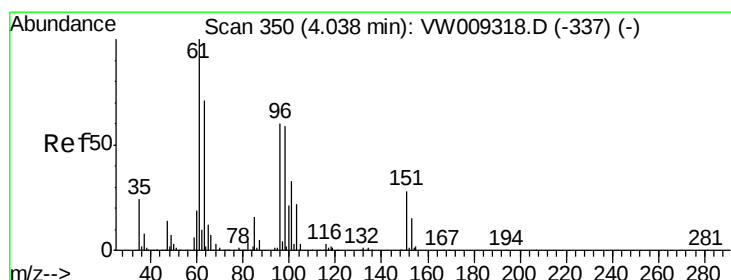
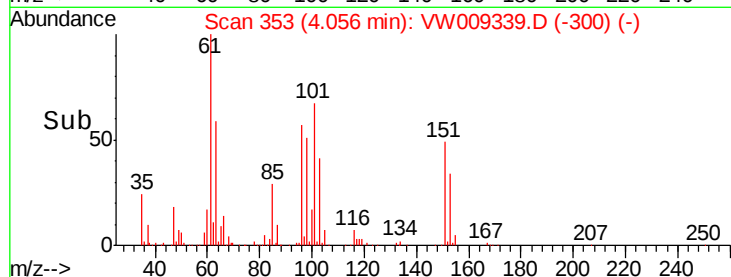
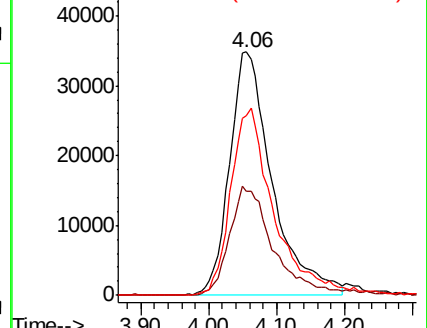
151 72.6 63.3 94.9



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: 27.272 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

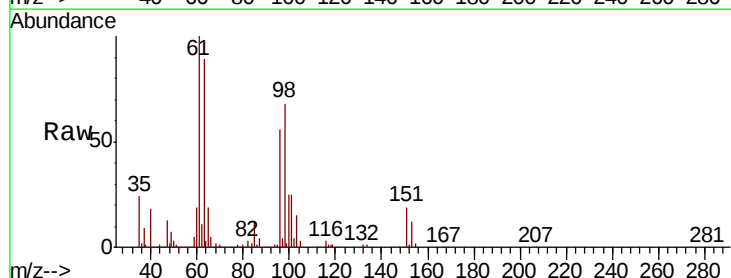
Tgt Ion: 96 Resp: 146670

Ion Ratio Lower Upper

96 100

61 179.2 129.4 240.2

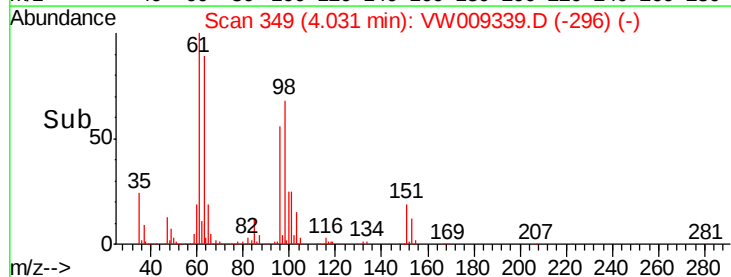
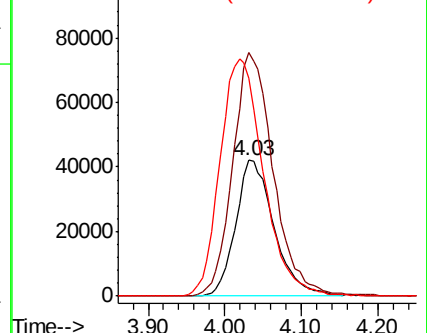
63 160.2 116.8 217.0

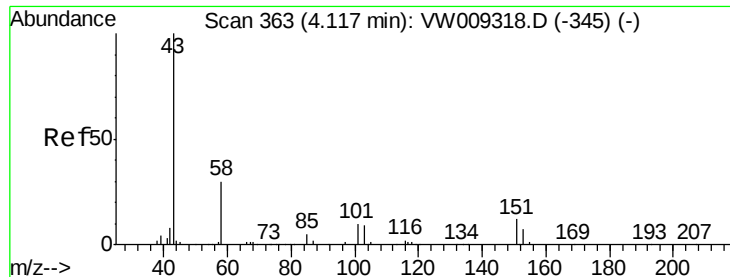


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.503 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

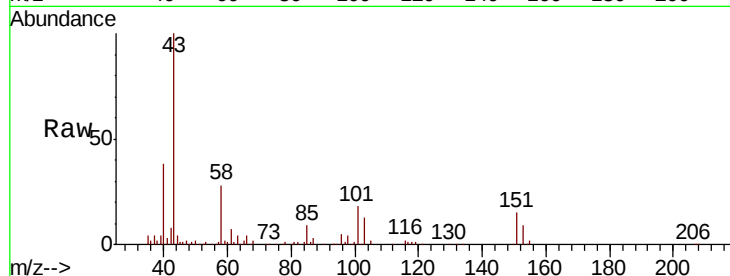
VSTD02519

Tgt Ion: 43 Resp: 92929

Ion Ratio Lower Upper

43 100

58 29.4 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

40000

30000

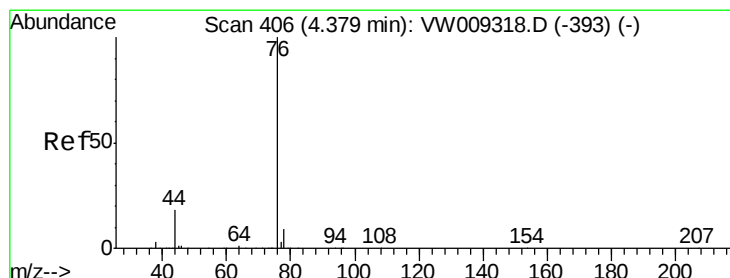
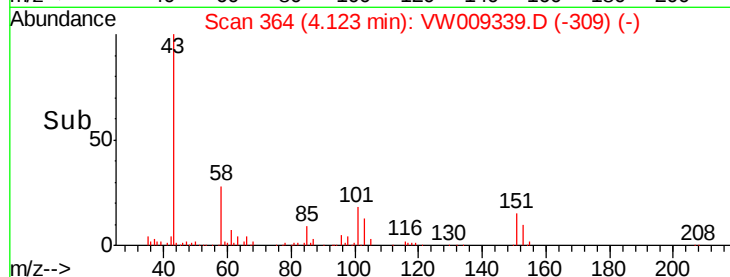
20000

10000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 28.956 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009339.D

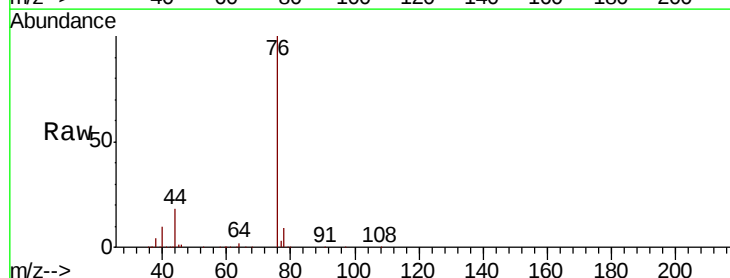
Acq: 22 Mar 2019 10:19

Tgt Ion: 76 Resp: 419098

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

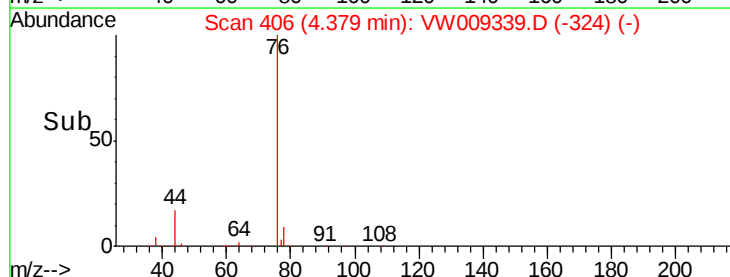
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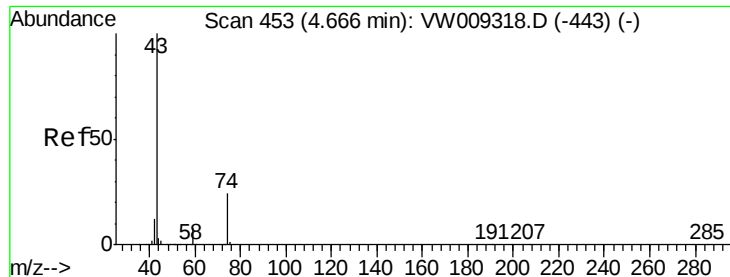
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Time-->

4.20 4.30 4.40 4.50

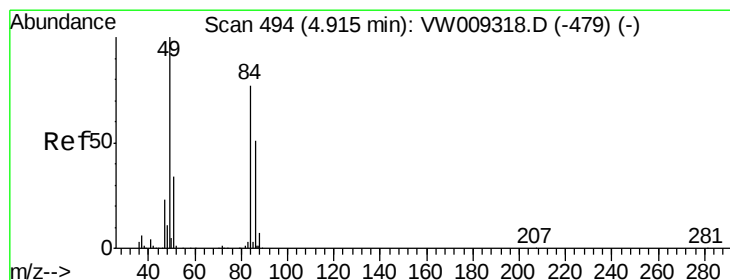
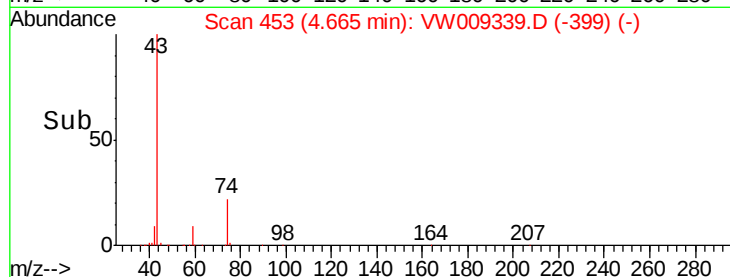
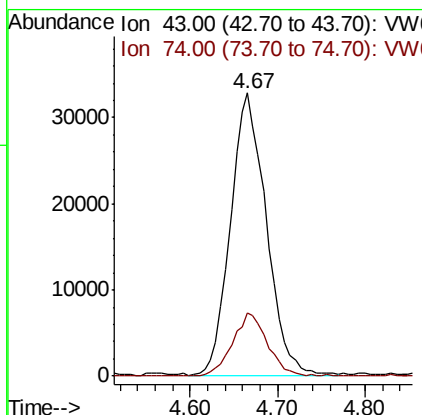
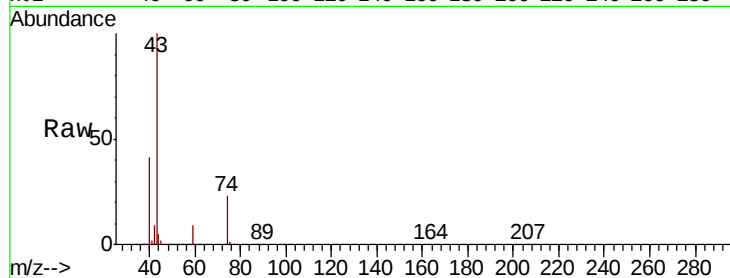




#15
Methyl Acetate
Concen: 26.680 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

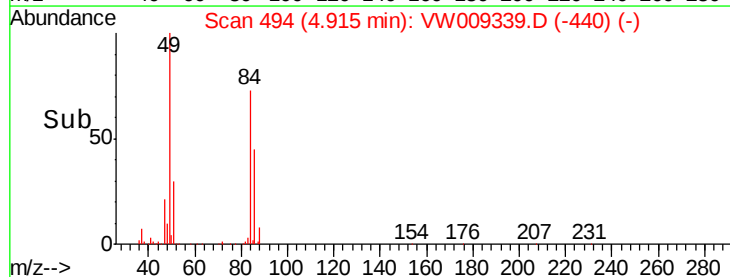
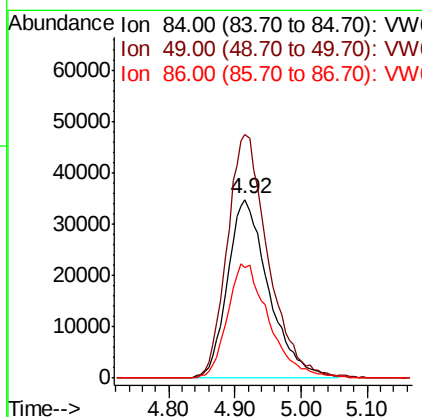
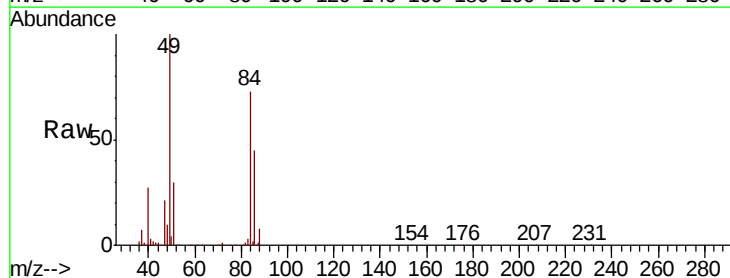
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

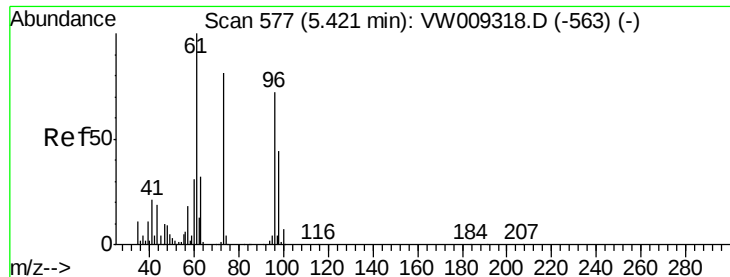
Tgt Ion: 43 Resp: 92769
Ion Ratio Lower Upper
43 100
74 21.9 16.7 25.1



#16
Methylene chloride
Concen: 23.599 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

Tgt Ion: 84 Resp: 150299
Ion Ratio Lower Upper
84 100
49 136.5 96.0 178.2
86 62.1 44.4 82.5

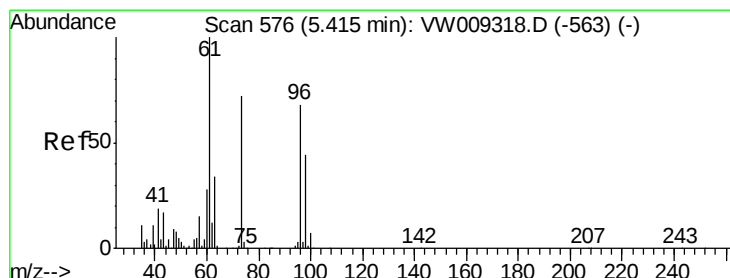
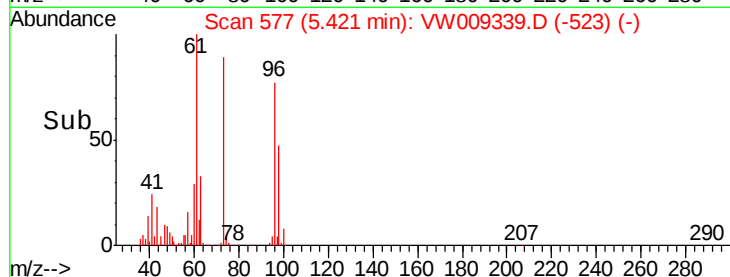
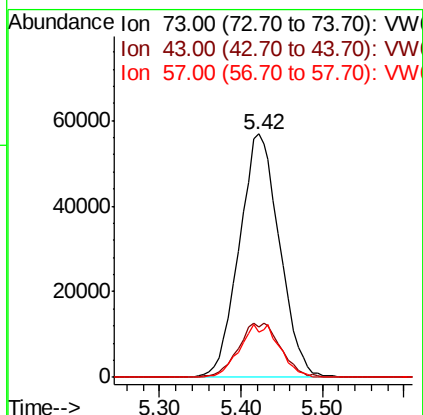
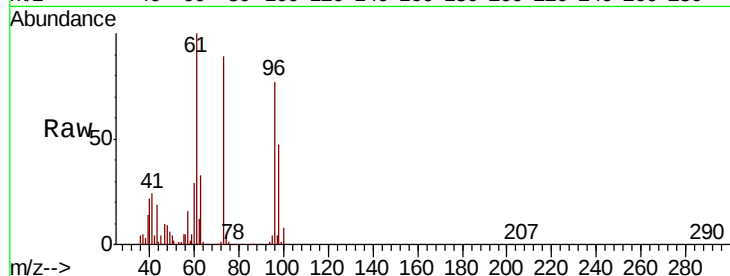




#17
Methyl tert-butyl Ether
Concen: 25.628 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

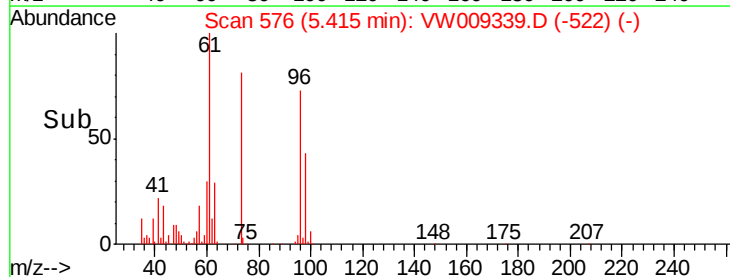
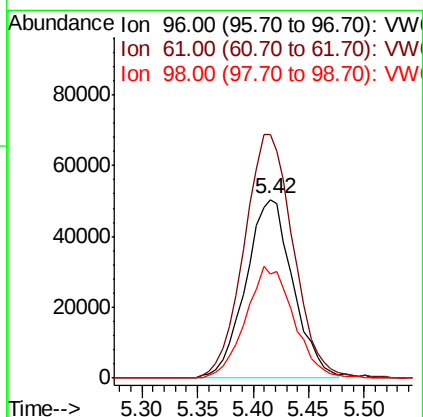
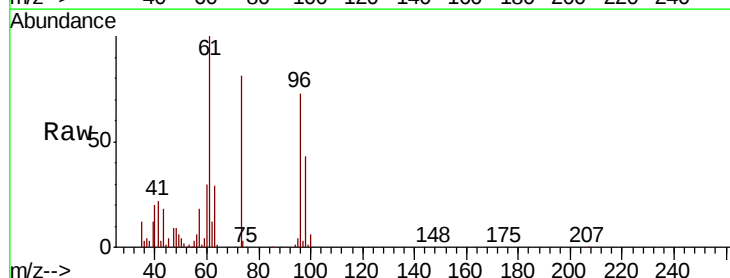
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

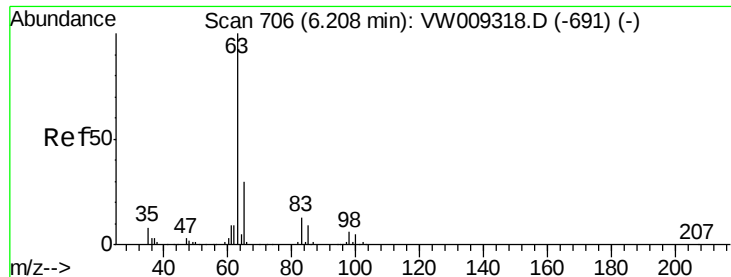
Tgt Ion: 73 Resp: 195016
Ion Ratio Lower Upper
73 100
43 12.3 18.2 27.4#
57 11.0 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 26.358 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

Tgt Ion: 96 Resp: 149034
Ion Ratio Lower Upper
96 100
61 136.5 96.7 179.5
98 58.5 43.8 81.4

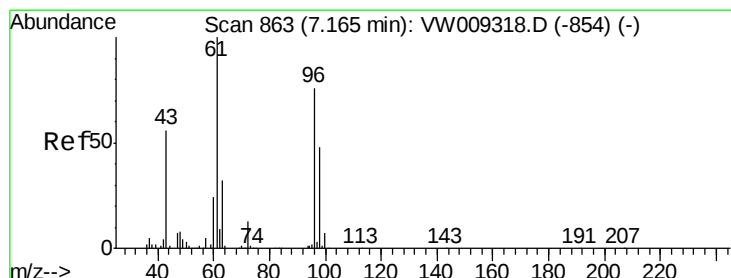
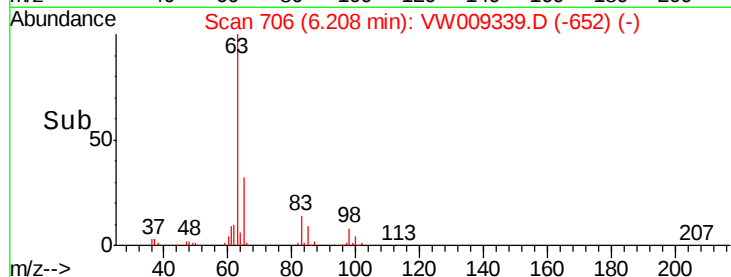
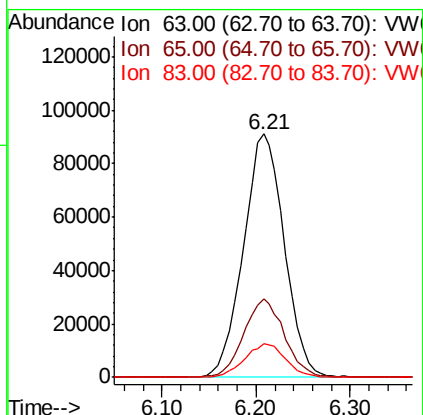
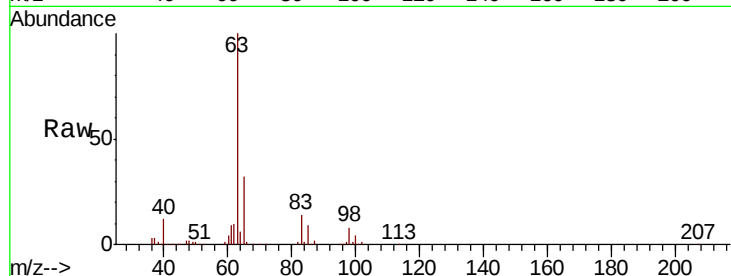




#19
 1,1-Dichloroethane
 Concen: 26.791 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

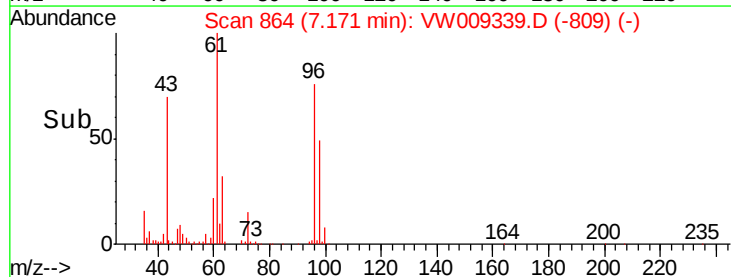
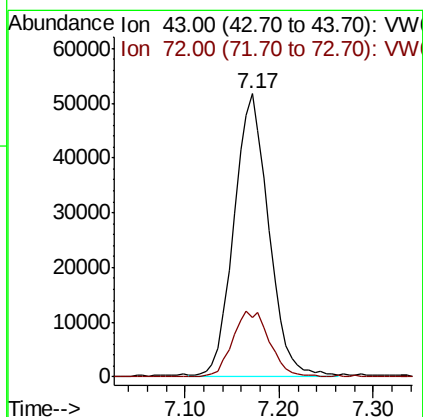
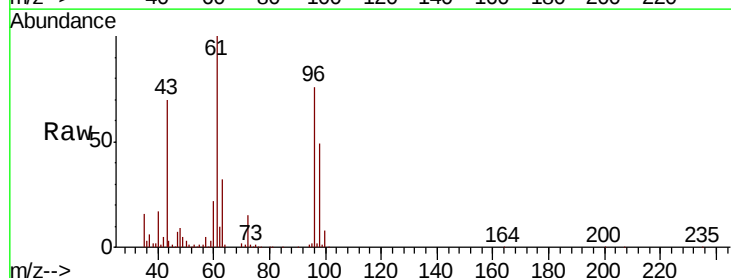
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

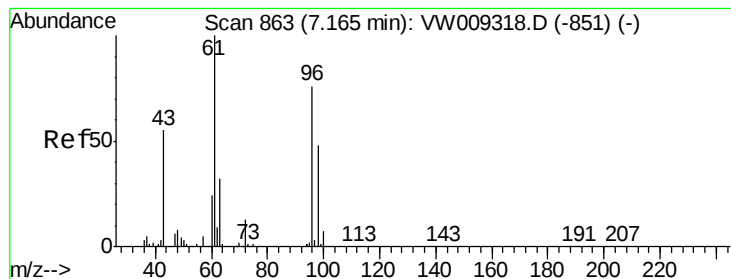
Tgt Ion: 63 Resp: 276204
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.0
 83 13.9 10.1 18.7



#21
 2-Butanone
 Concen: 54.162 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Tgt Ion: 43 Resp: 132366
 Ion Ratio Lower Upper
 43 100
 72 24.7 13.1 39.1



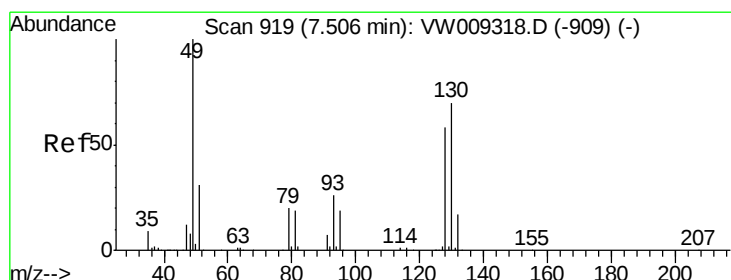
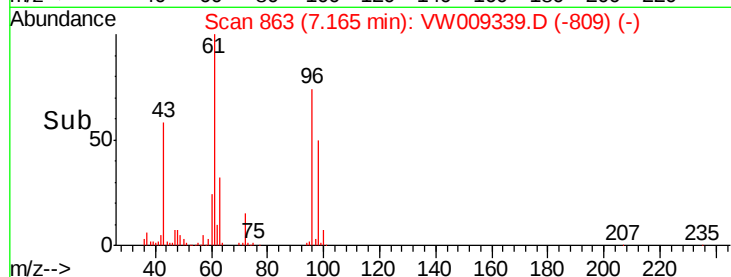
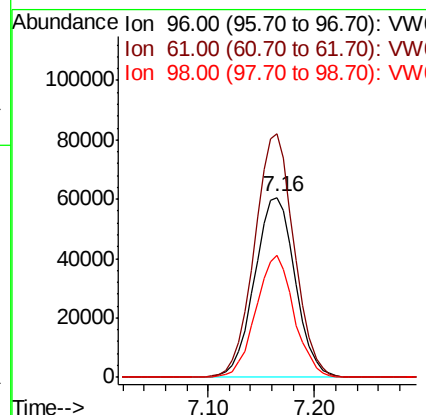
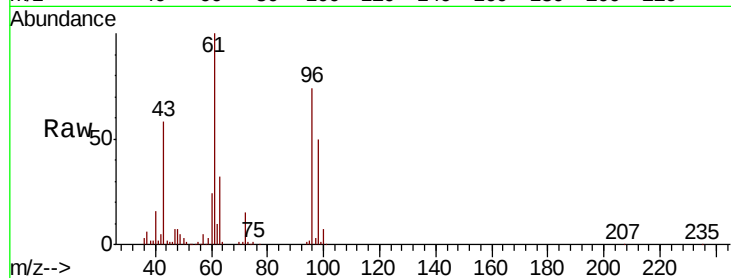


#22

cis-1,2-Dichloroethene
 Concen: 26.455 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

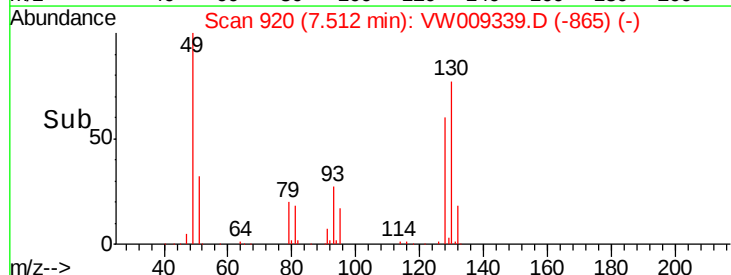
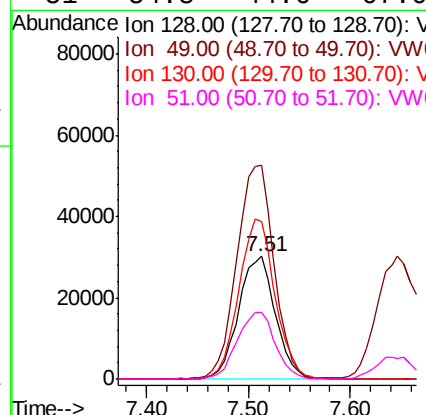
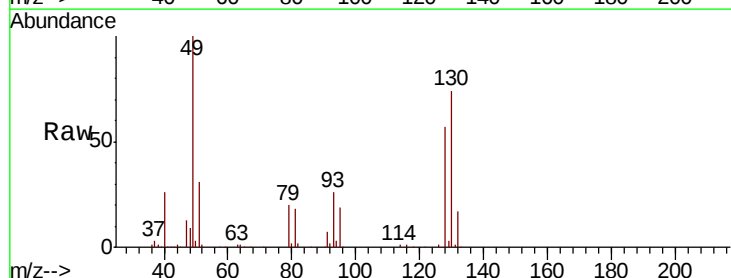
Tgt Ion: 96 Resp: 162042
 Ion Ratio Lower Upper
 96 100
 61 135.3 90.6 168.3
 98 67.8 44.0 81.8

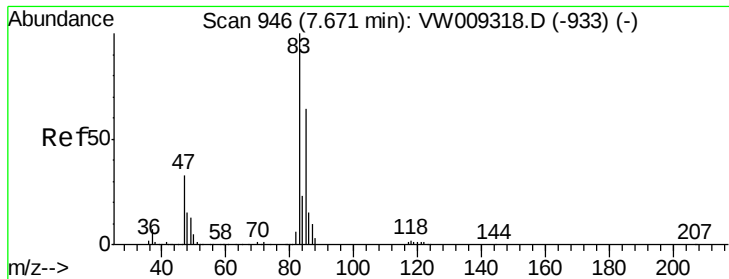


#23

Bromochloromethane
 Concen: 25.678 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Tgt Ion: 128 Resp: 75438
 Ion Ratio Lower Upper
 128 100
 49 174.0 118.4 219.8
 130 128.2 87.8 163.2
 51 54.8 44.6 67.0





#25

Chloroform

Concen: 26.839 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampled :

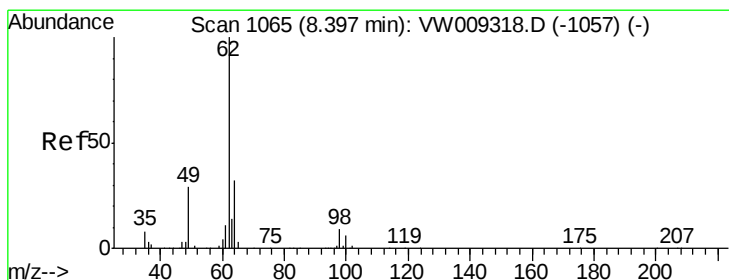
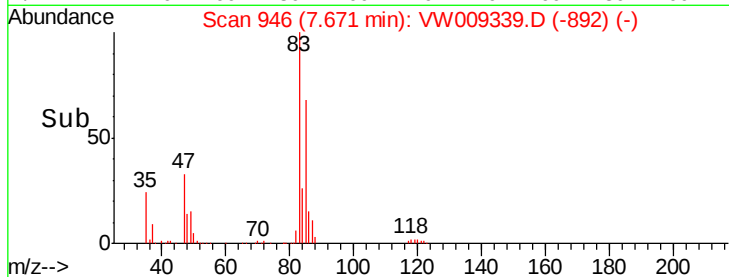
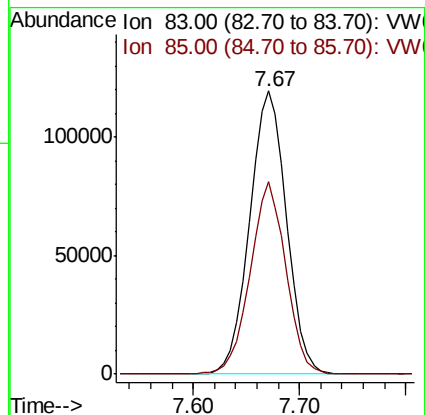
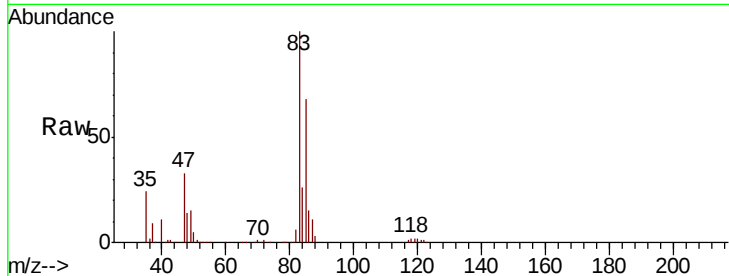
VSTD02519

Tgt Ion: 83 Resp: 289777

Ion Ratio Lower Upper

83 100

85 65.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 27.383 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009339.D

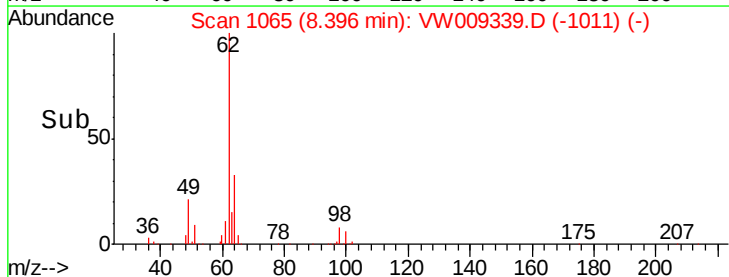
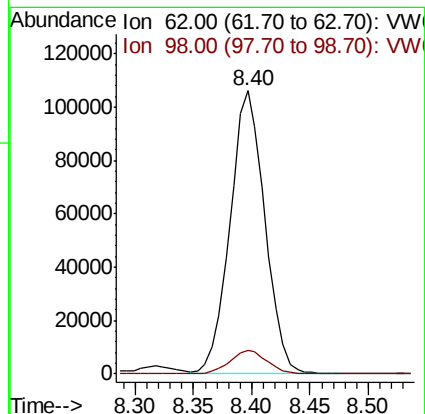
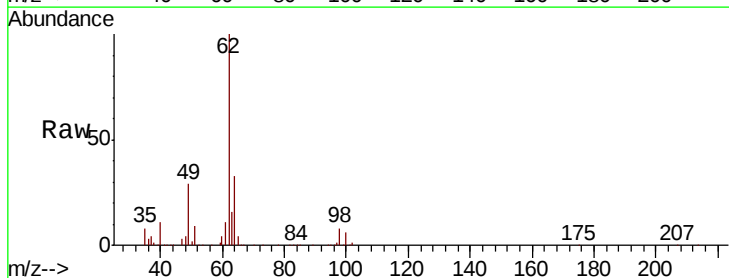
Acq: 22 Mar 2019 10:19

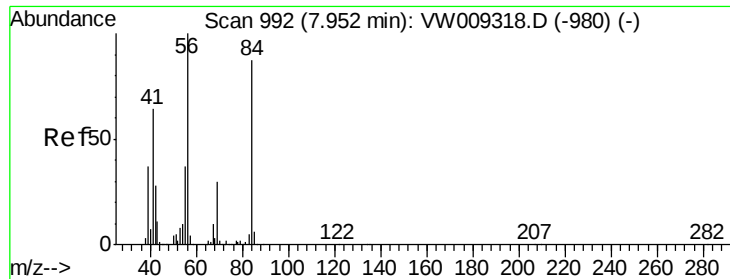
Tgt Ion: 62 Resp: 220423

Ion Ratio Lower Upper

62 100

98 8.4 7.3 10.9

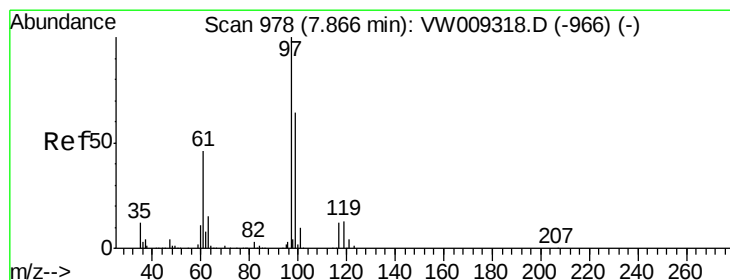
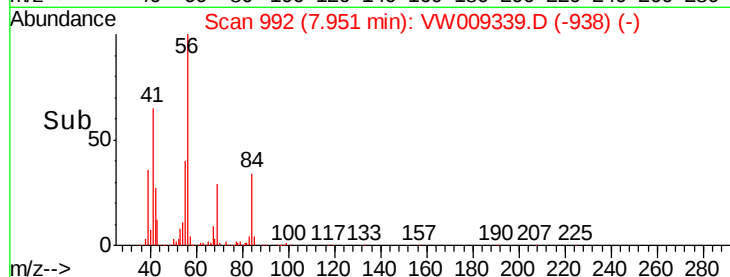
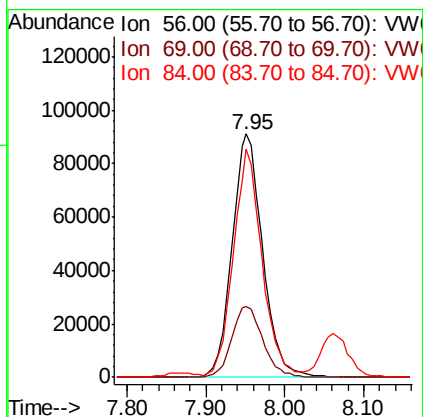
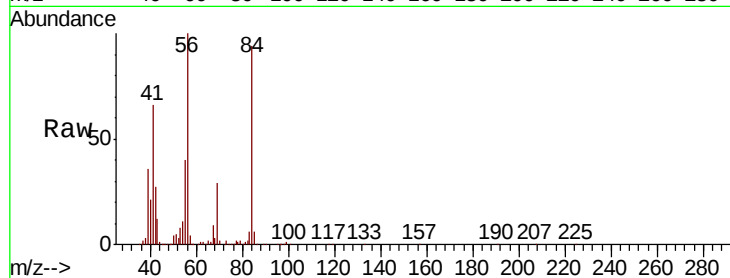




#30
Cyclohexane
Concen: 26.042 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

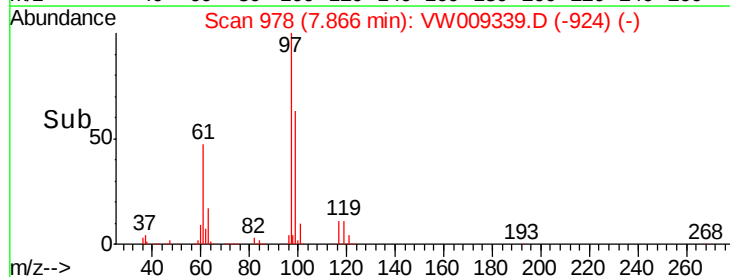
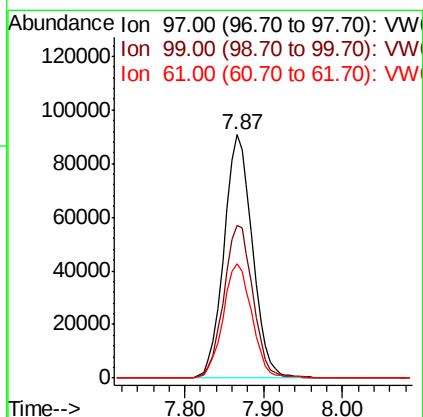
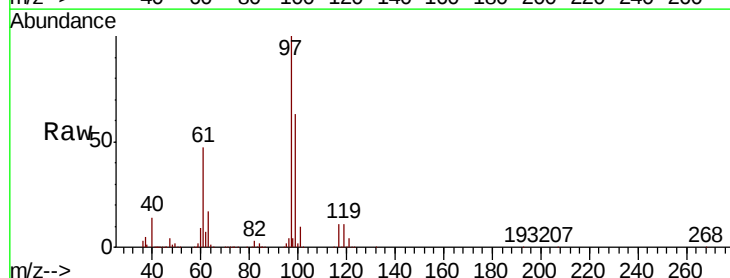
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

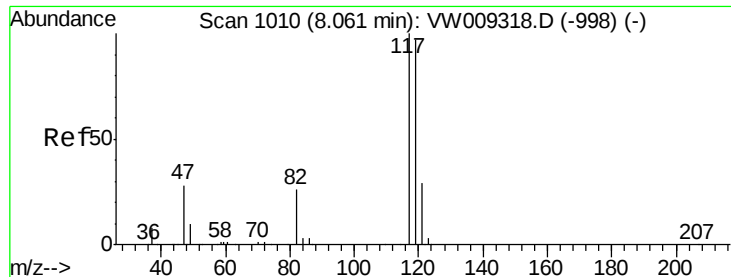
Tgt Ion: 56 Resp: 244809
Ion Ratio Lower Upper
56 100
69 29.7 24.0 36.0
84 87.9 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 27.570 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

Tgt Ion: 97 Resp: 227921
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 47.5 38.4 57.6





#32

Carbon tetrachloride

Concen: 28.041 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

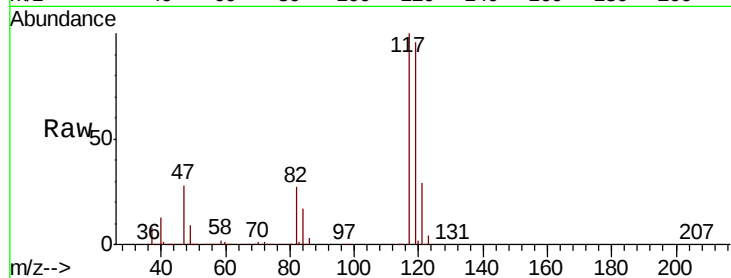
VSTD02519

Tgt Ion:117 Resp: 233890

Ion Ratio Lower Upper

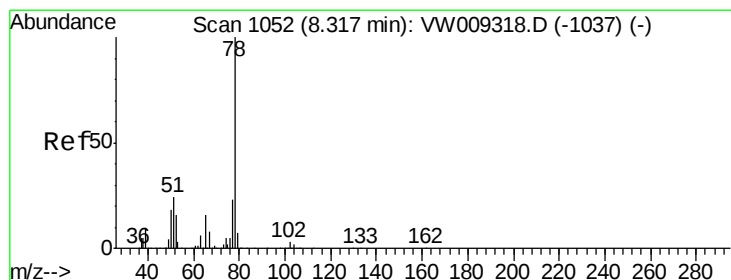
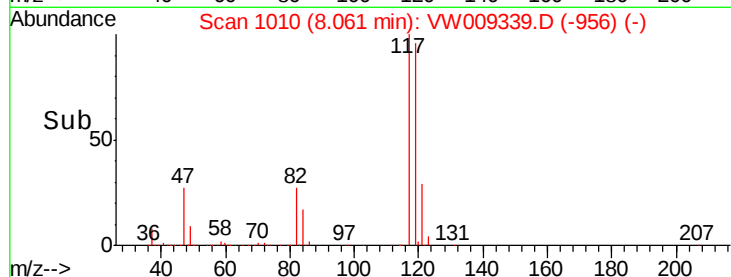
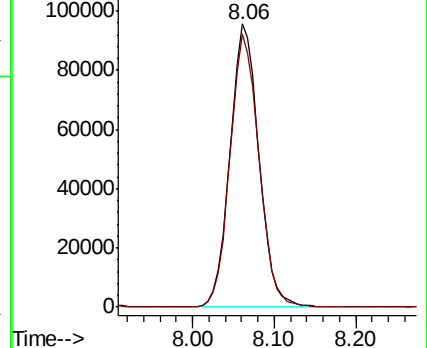
117 100

119 96.6 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.383 ug/L

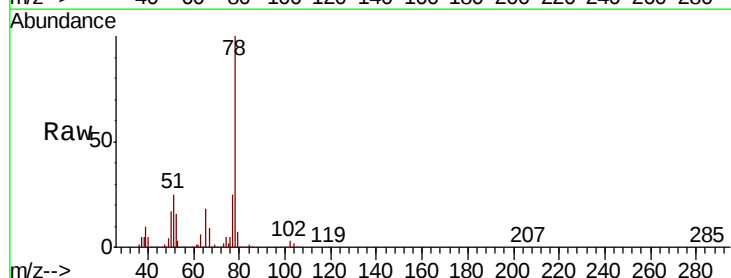
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

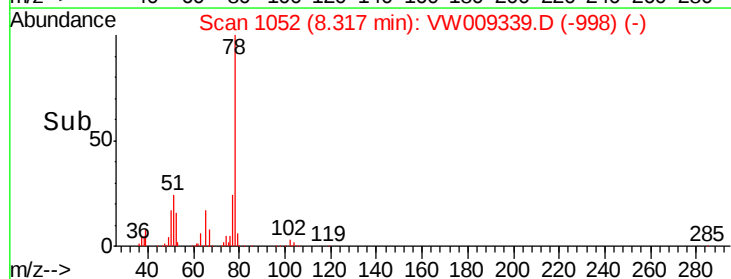
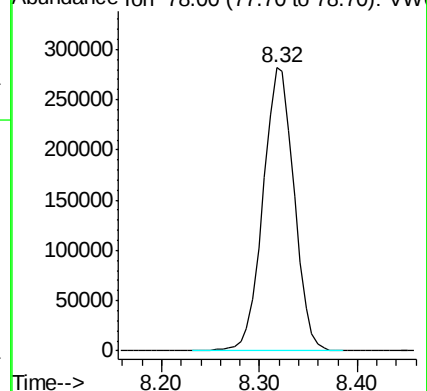
Lab File: VW009339.D

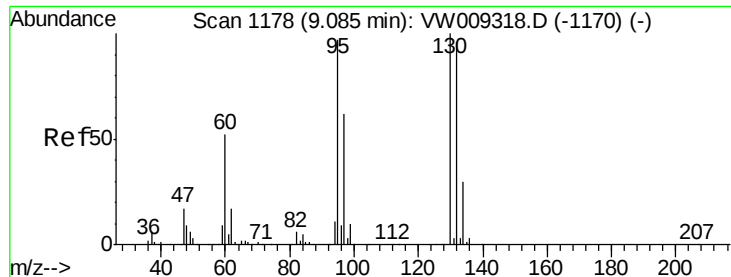
Acq: 22 Mar 2019 10:19

Tgt Ion: 78 Resp: 620374



Abundance Ion 78.00 (77.70 to 78.70): VW

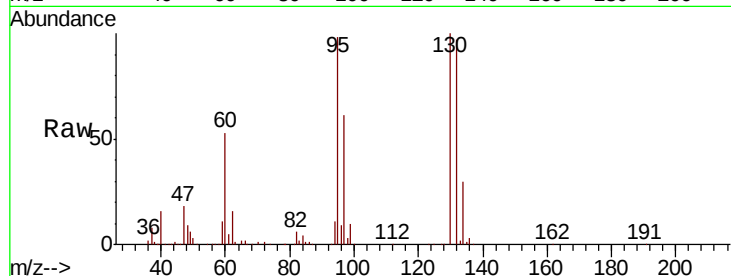




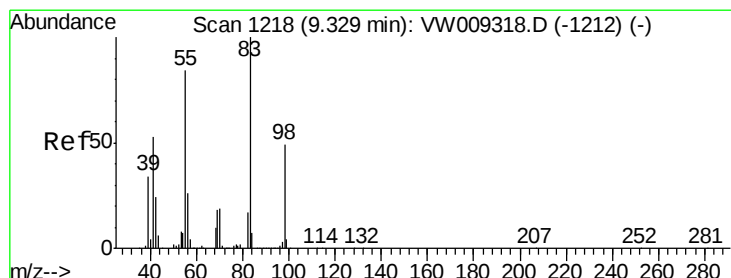
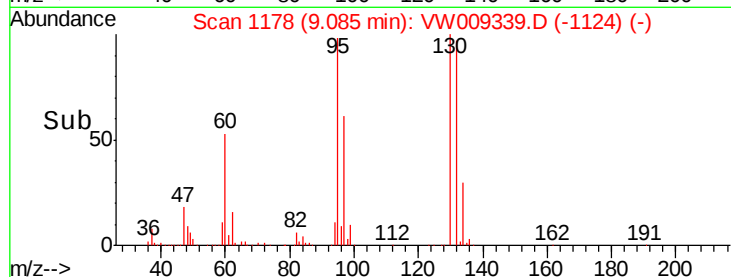
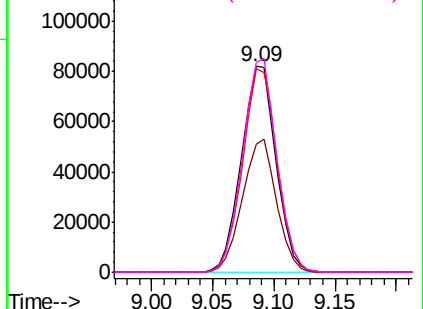
#35
 Trichloroethene
 Concen: 26.823 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tgt Ion: 95 Resp: 161925
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.7 82.9
 132 97.9 69.0 128.2
 130 102.1 72.7 134.9

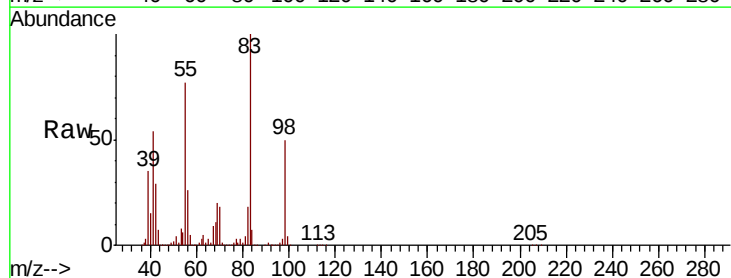


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

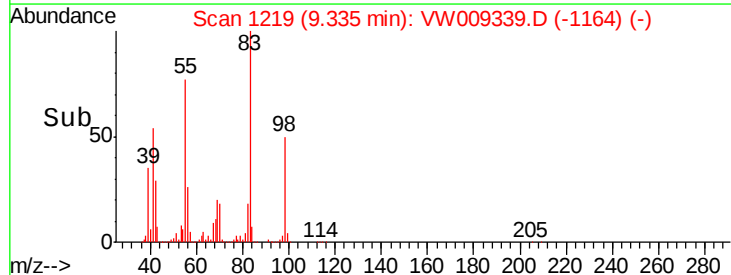
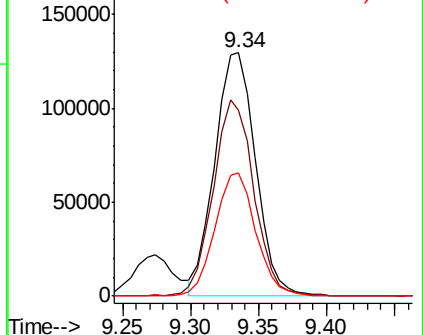


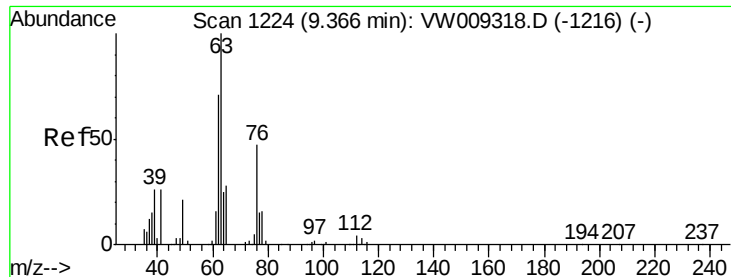
#36
 Methylcyclohexane
 Concen: 25.968 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Tgt Ion: 83 Resp: 271219
 Ion Ratio Lower Upper
 83 100
 55 80.1 63.5 95.3
 98 50.4 39.8 59.8



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

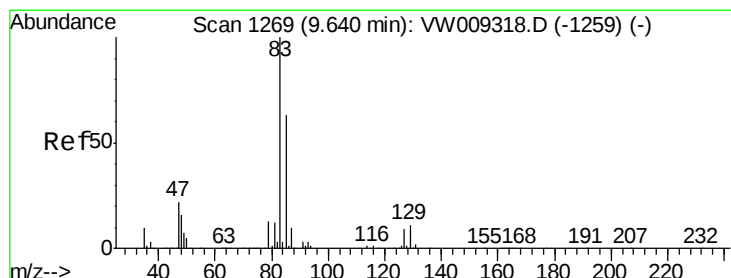
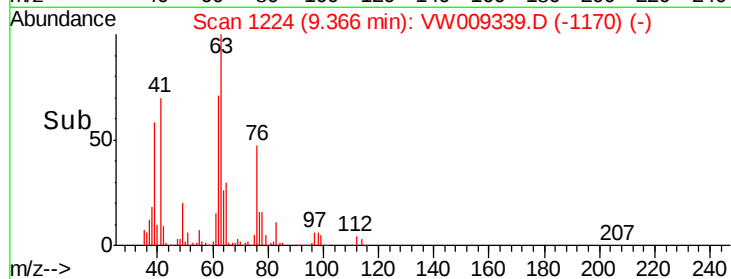
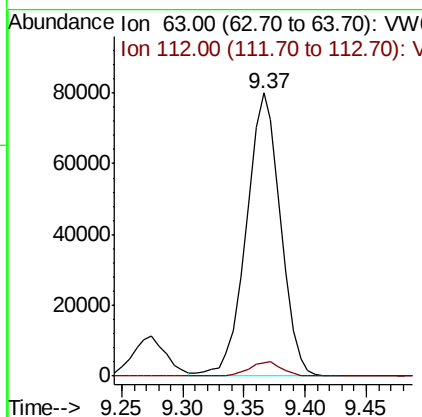
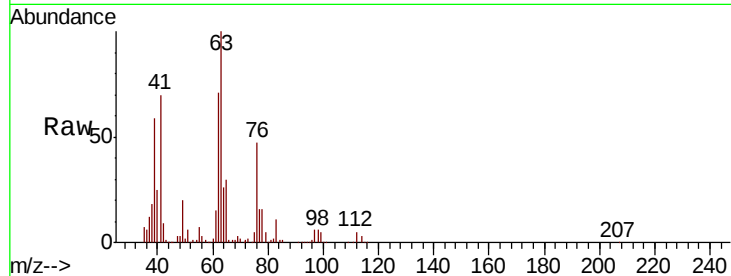




#40
 1,2-Dichloropropane
 Concen: 26.804 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

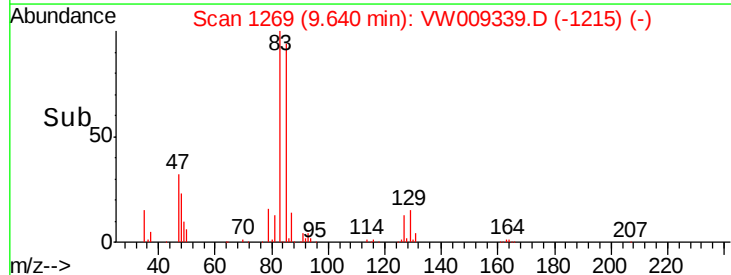
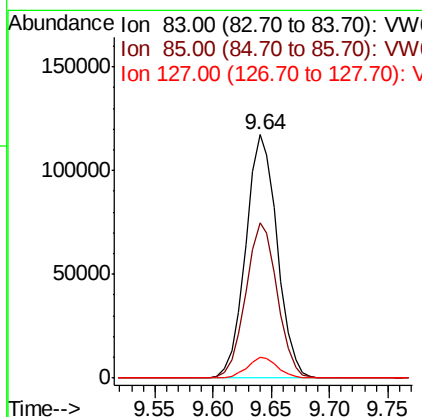
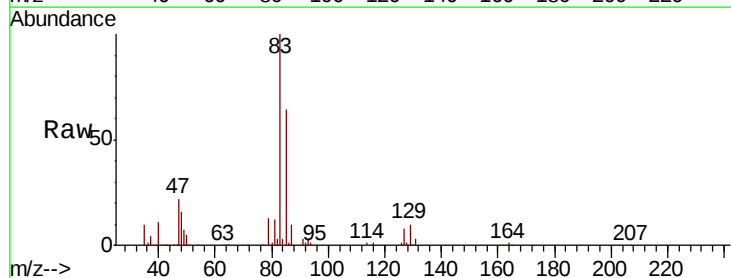
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

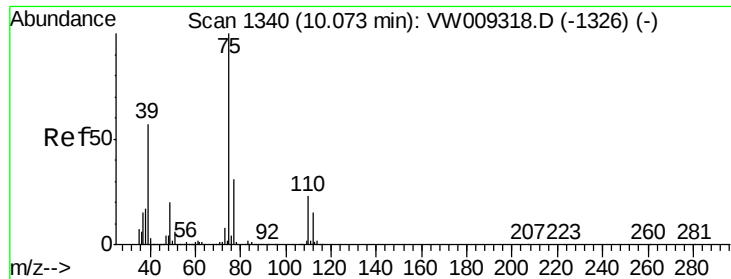
Tgt Ion: 63 Resp: 155832
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.0 6.0



#41
 Bromodichloromethane
 Concen: 27.389 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Tgt Ion: 83 Resp: 220622
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.5 80.7
 127 8.5 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.516 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

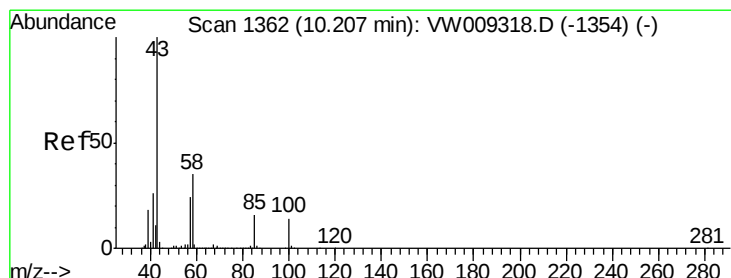
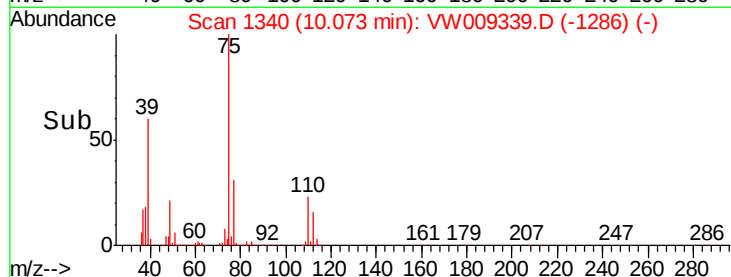
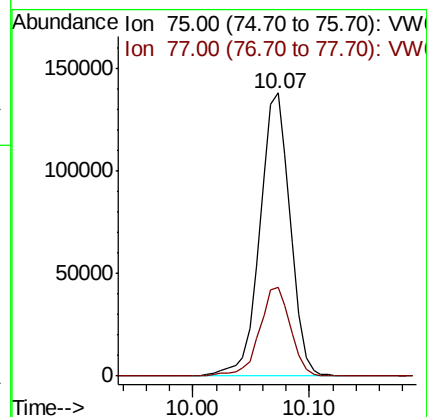
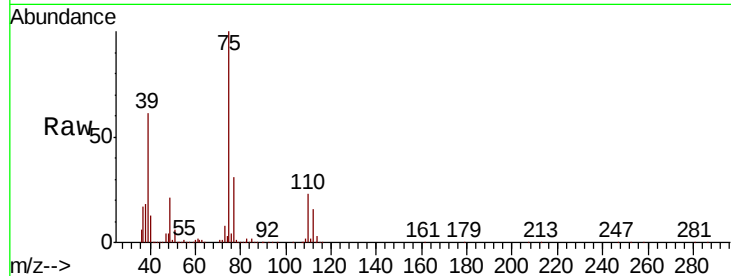
VSTD02519

Tgt Ion: 75 Resp: 251076

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 52.108 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

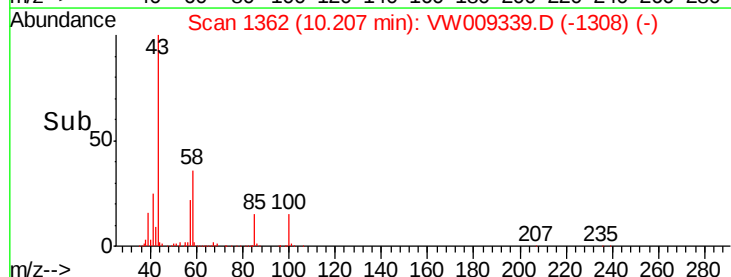
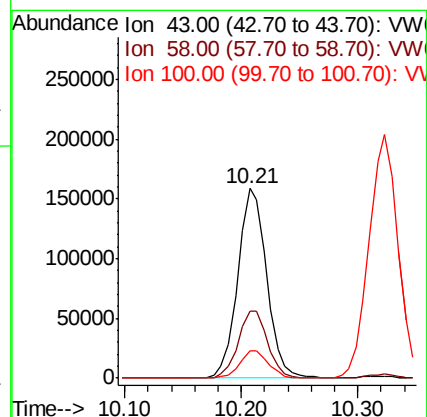
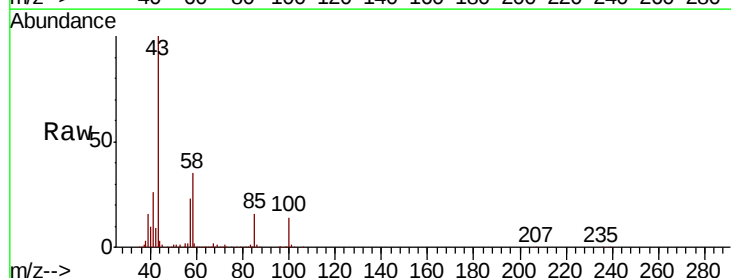
Tgt Ion: 43 Resp: 274508

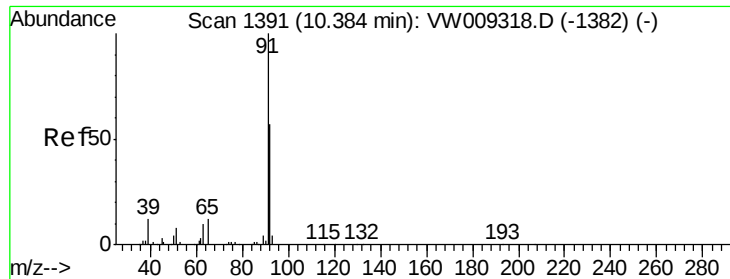
Ion Ratio Lower Upper

43 100

58 36.0 28.2 42.2

100 14.4 11.4 17.2





#44

Toluene

Concen: 27.133 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

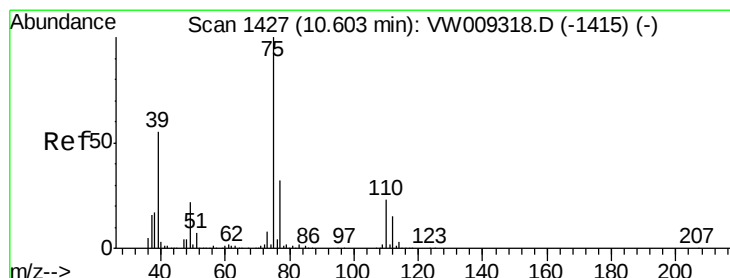
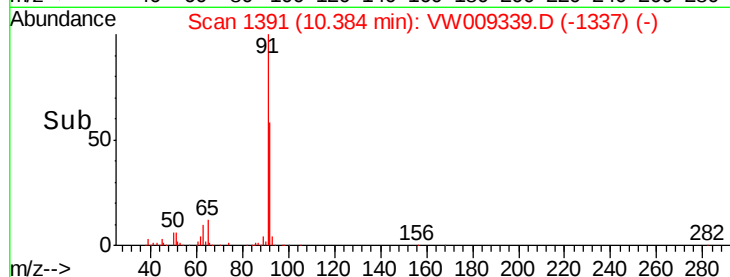
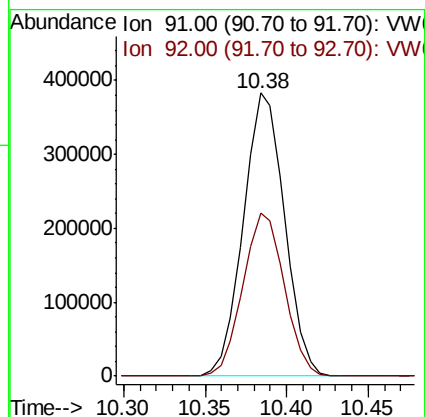
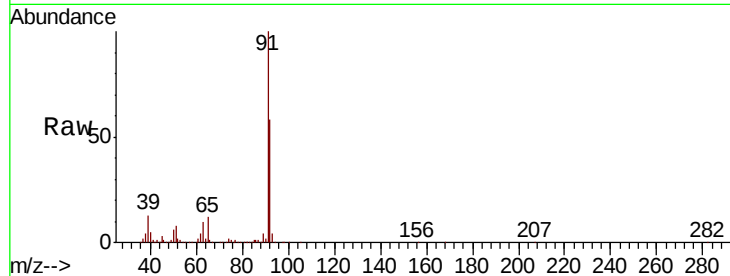
VSTD02519

Tgt Ion: 91 Resp: 672108

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.106 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009339.D

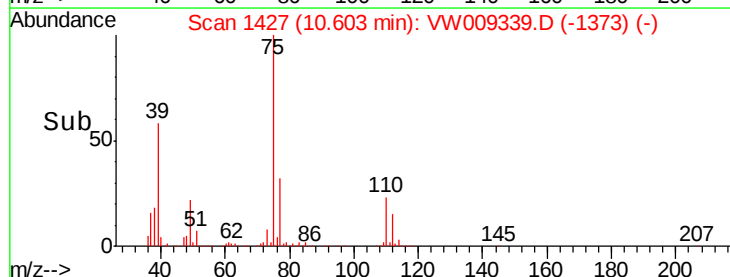
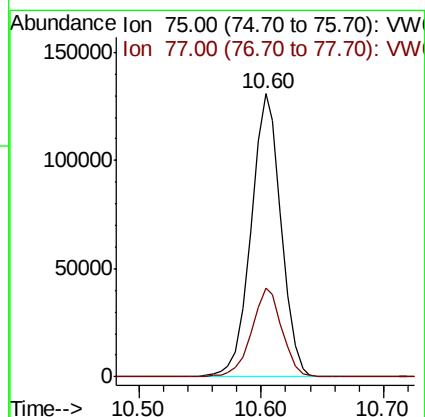
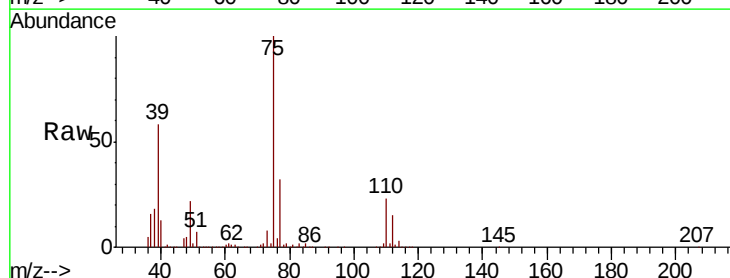
Acq: 22 Mar 2019 10:19

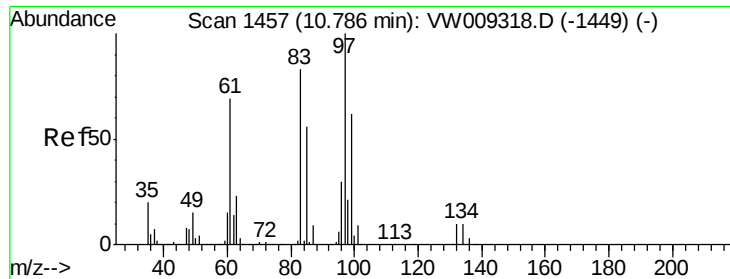
Tgt Ion: 75 Resp: 223274

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 27.075 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampled :

VSTD02519

Tgt Ion: 97 Resp: 125575

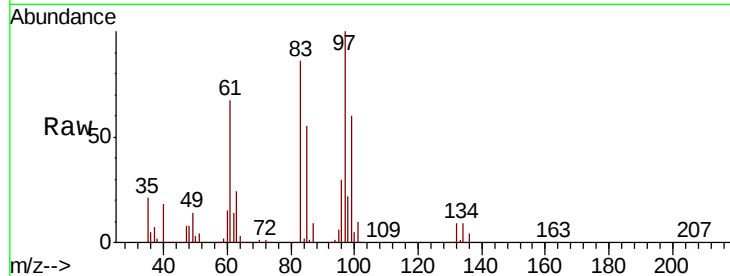
Ion Ratio Lower Upper

97 100

83 86.3 60.7 112.7

85 55.3 40.1 74.5

99 60.1 43.8 81.3

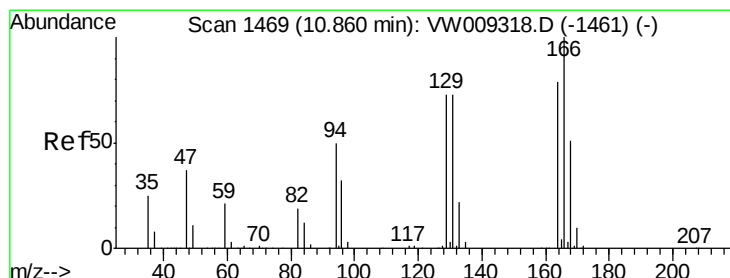
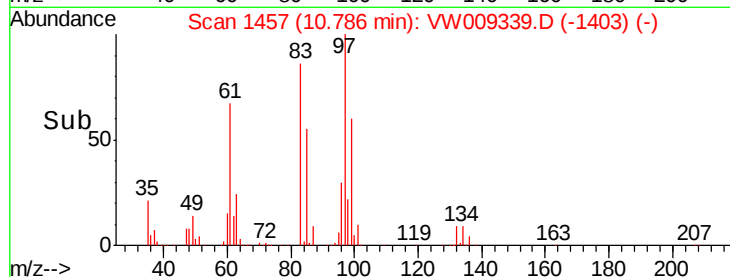
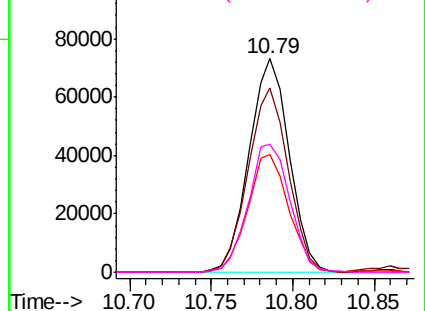


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.651 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Tgt Ion: 164 Resp: 135945

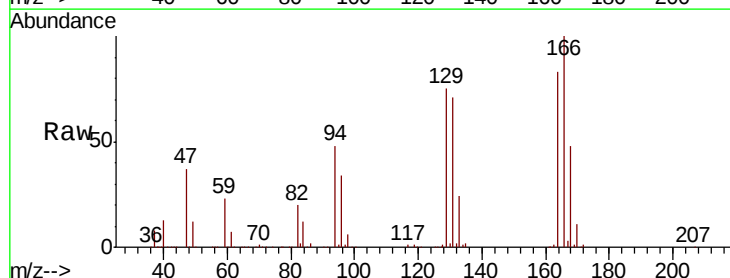
Ion Ratio Lower Upper

164 100

129 90.8 66.5 123.5

131 86.3 62.6 116.3

166 121.2 91.6 170.0

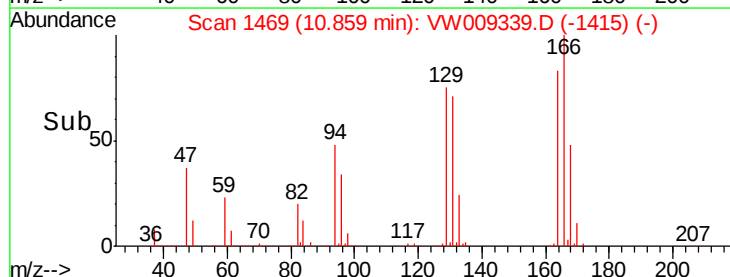
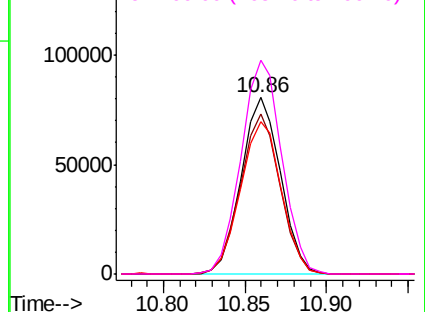


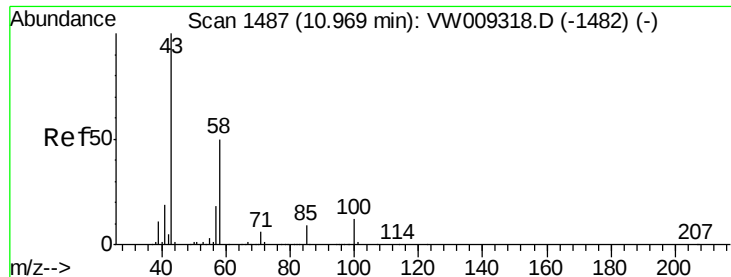
Abundance Ion 164.00 (163.70 to 164.70): V

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

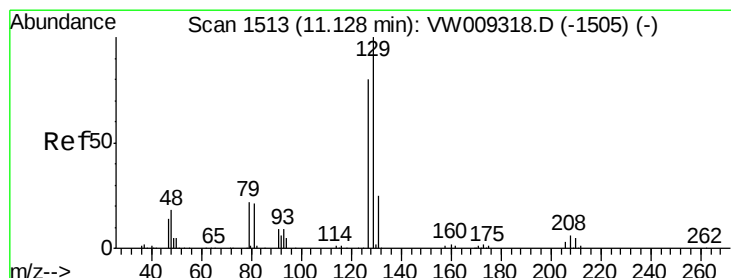
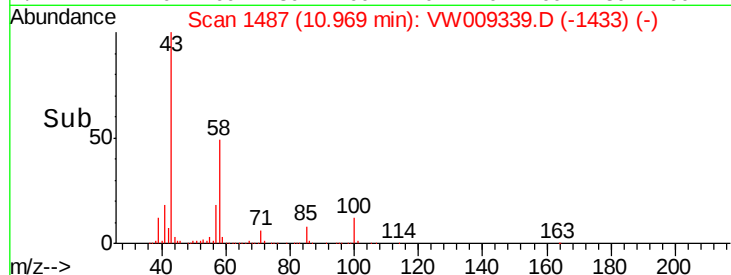
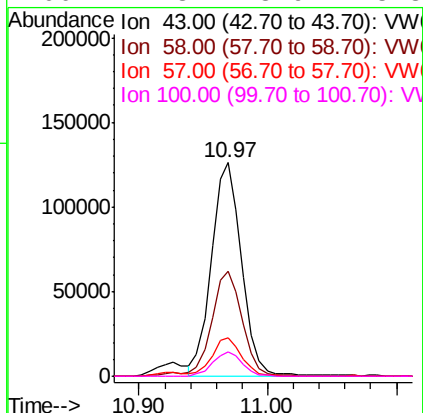
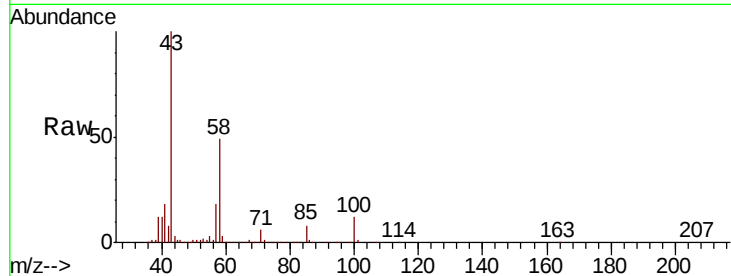




#49
2-Hexanone
Concen: 55.418 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

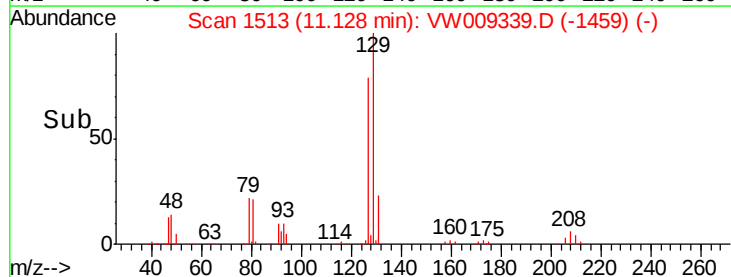
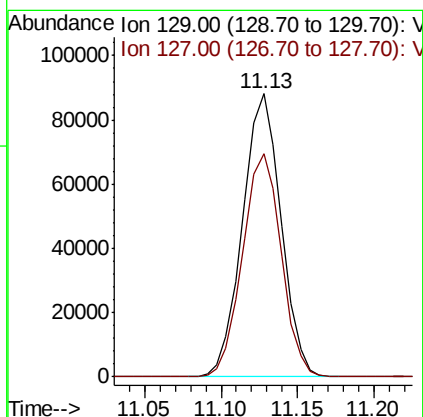
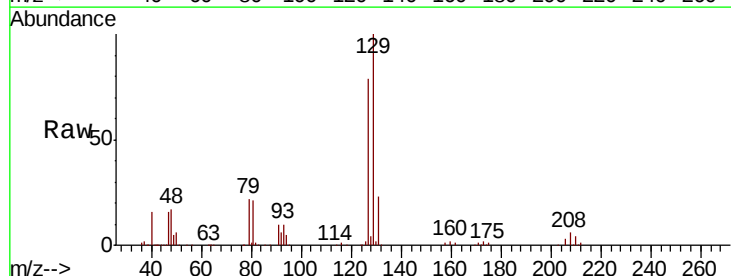
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

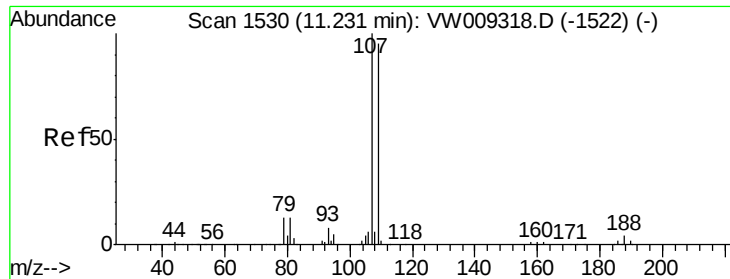
Tgt Ion: 43 Resp: 205621
Ion Ratio Lower Upper
43 100
58 49.1 39.2 58.8
57 17.8 14.2 21.2
100 11.3 8.9 13.3



#50
Dibromochloromethane
Concen: 26.980 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

Tgt Ion: 129 Resp: 154476
Ion Ratio Lower Upper
129 100
127 78.9 56.8 105.6

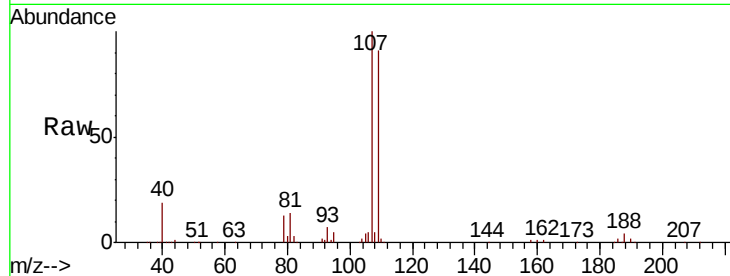




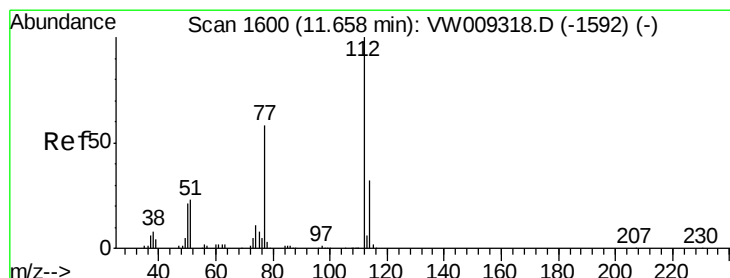
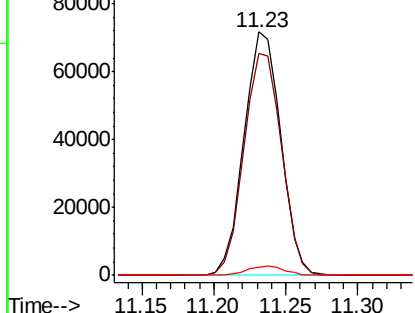
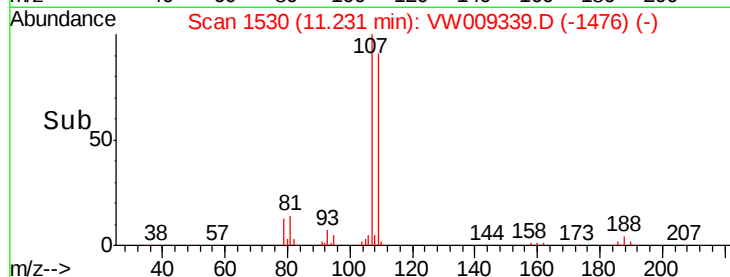
#51
 1,2-Dibromoethane
 Concen: 26.951 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.4	68.0	126.4
188	3.6	3.5	5.3

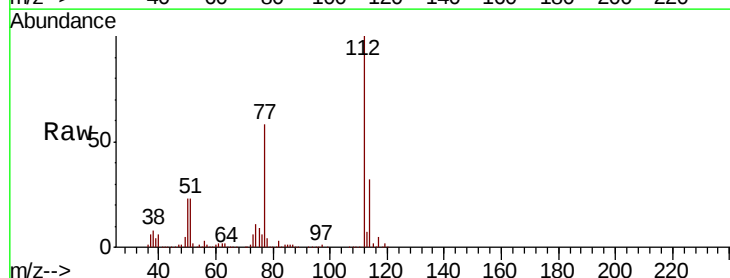


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

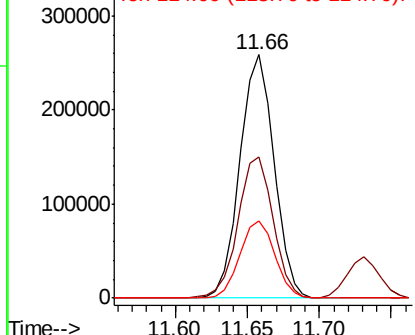
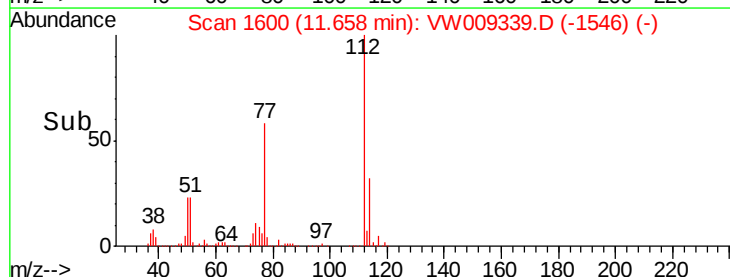


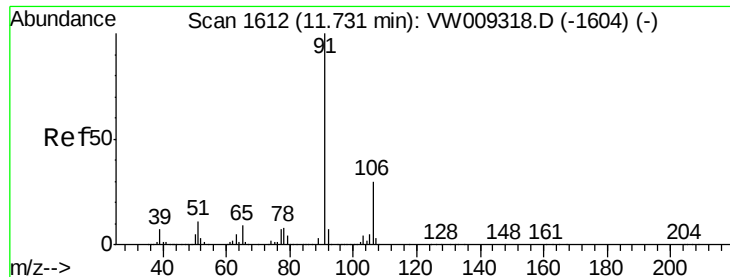
#52
 Chlorobenzene
 Concen: 26.857 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.2	45.7	68.5
114	31.6	22.8	42.4



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

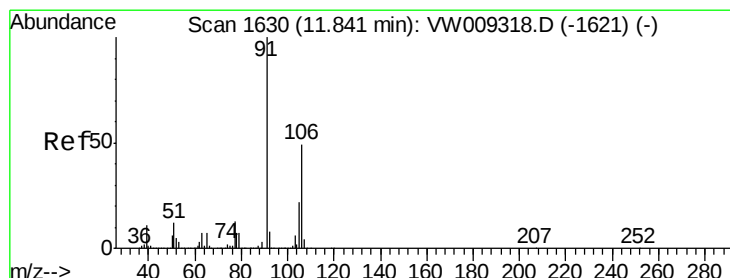
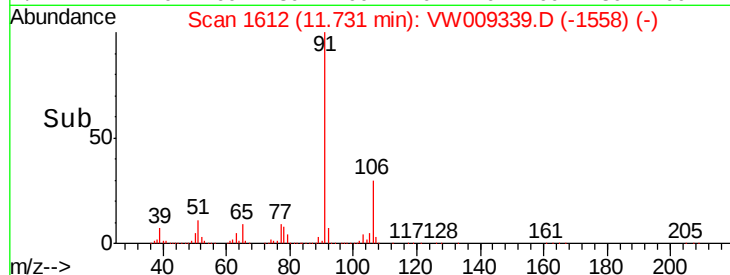
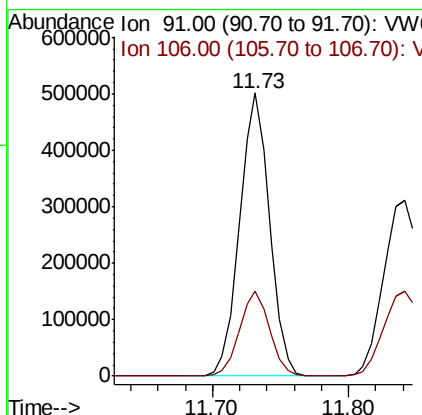
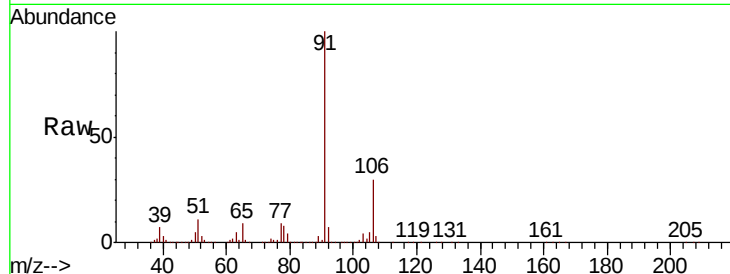




#53
Ethylbenzene
Concen: 27.576 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

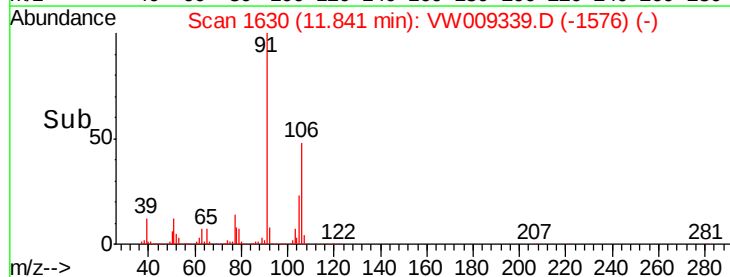
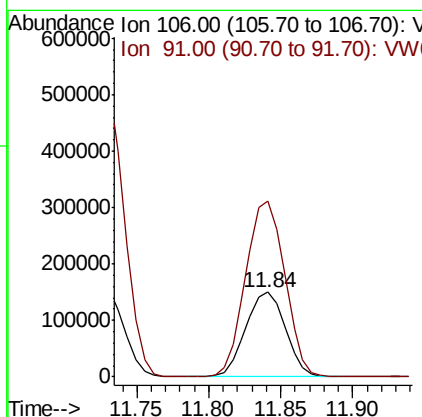
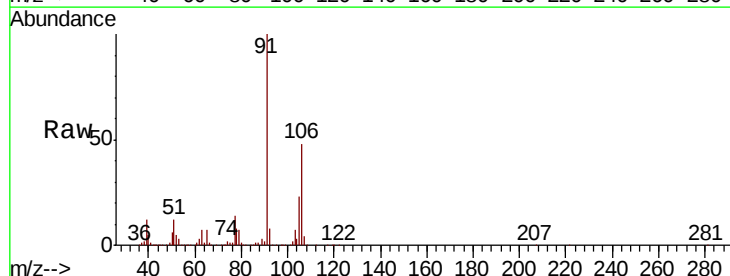
Instrument :
MSVOA_W
ClientSampled :
VSTD02519

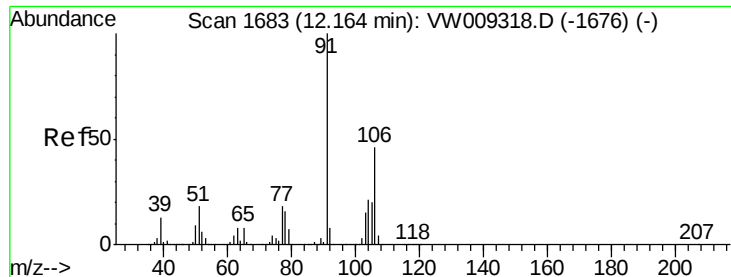
Tgt Ion: 91 Resp: 767959
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0



#54
m,p-Xylene
Concen: 27.120 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

Tgt Ion: 106 Resp: 286940
Ion Ratio Lower Upper
106 100
91 208.5 138.4 257.0

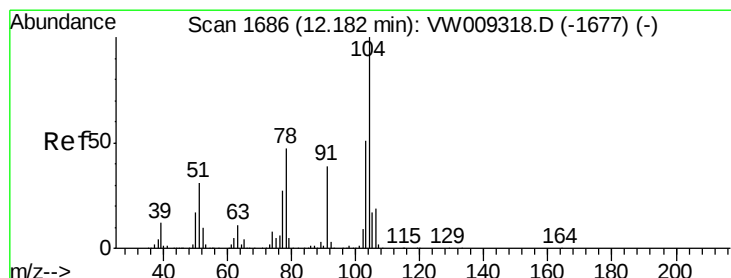
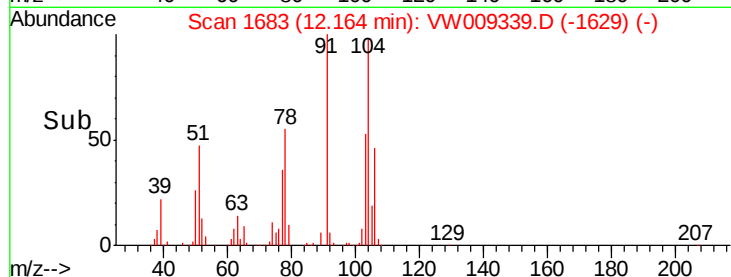
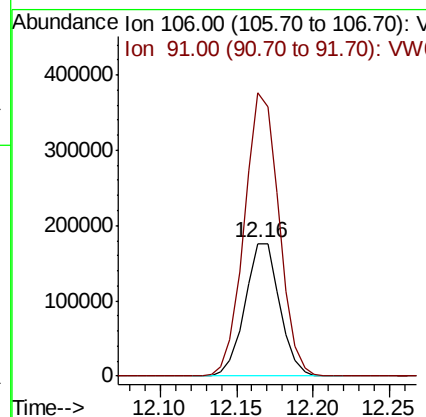
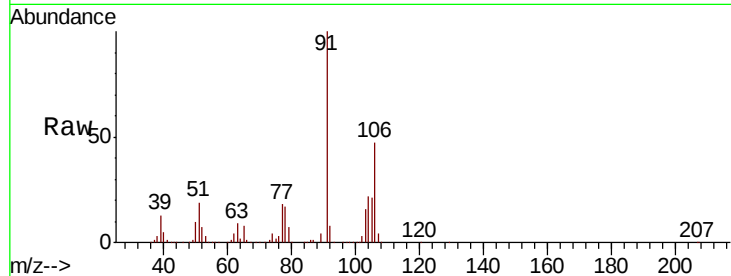




#55
o-xylene
Concen: 26.902 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

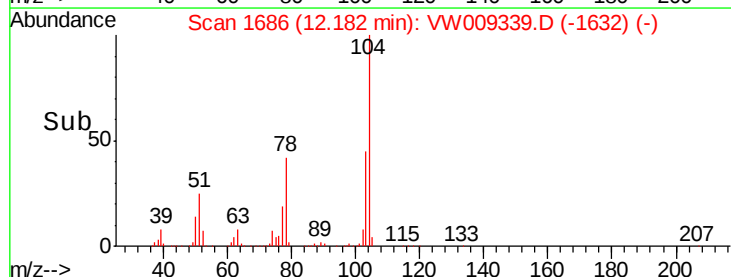
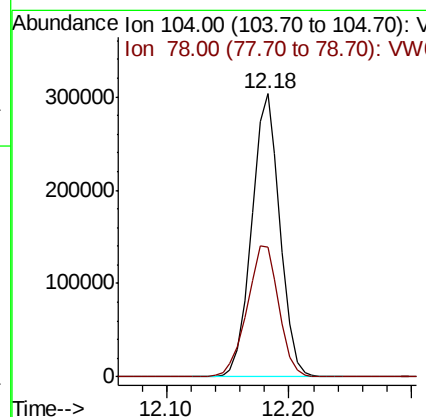
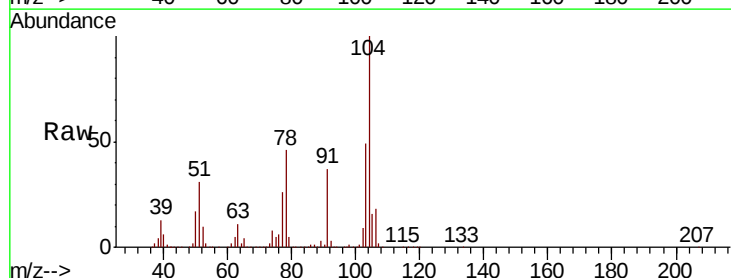
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

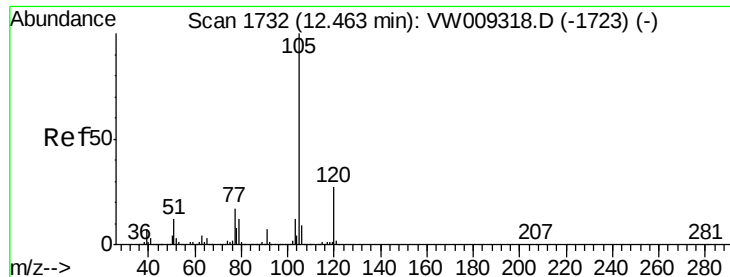
Tgt Ion:106 Resp: 277679
Ion Ratio Lower Upper
106 100
91 212.9 153.2 284.4



#56
Styrene
Concen: 27.589 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009339.D
Acq: 22 Mar 2019 10:19

Tgt Ion:104 Resp: 485872
Ion Ratio Lower Upper
104 100
78 46.0 30.9 57.3





#57

Isopropylbenzene

Concen: 27.430 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

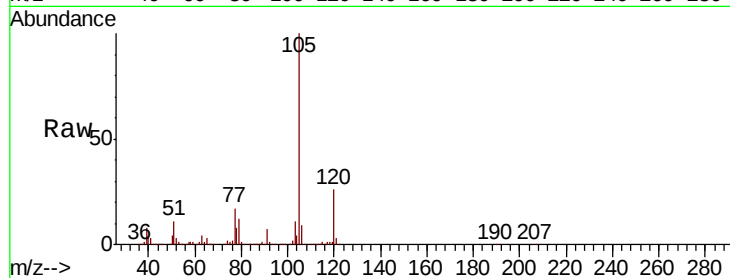
Tgt Ion: 105 Resp: 758448

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

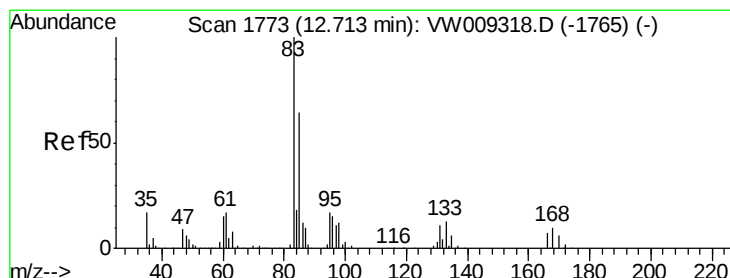
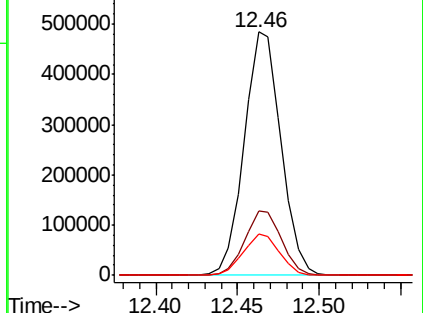
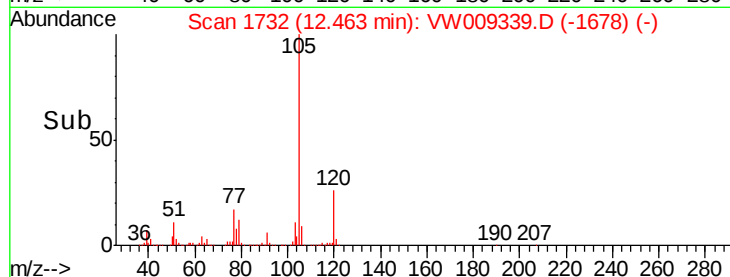
77 17.0 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.922 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

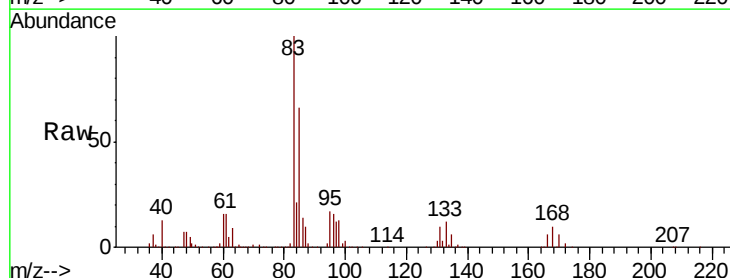
Tgt Ion: 83 Resp: 174710

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.8

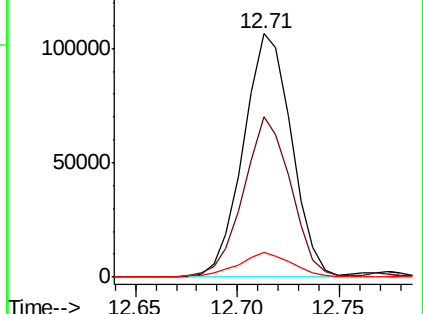
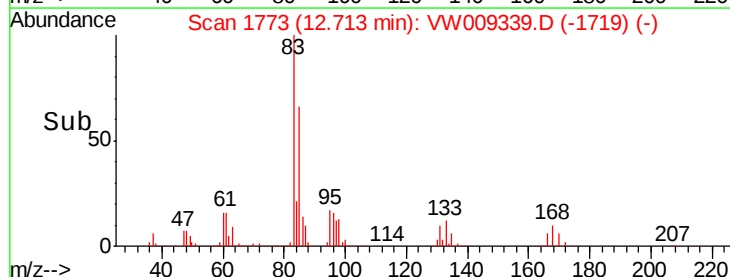
131 10.1 9.2 13.8

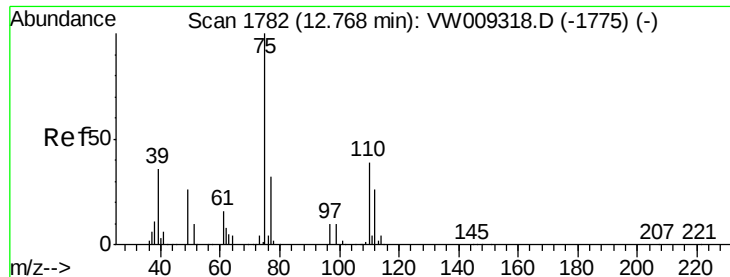


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.872 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

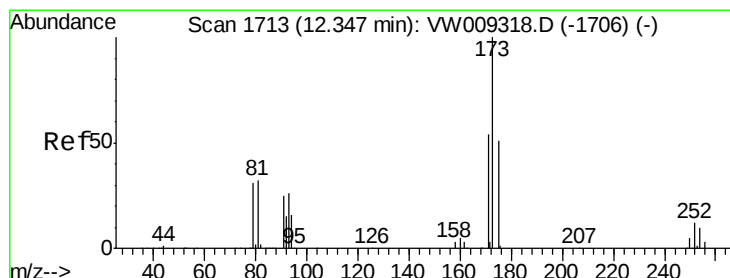
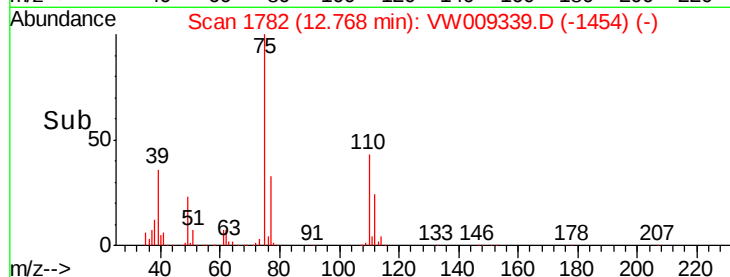
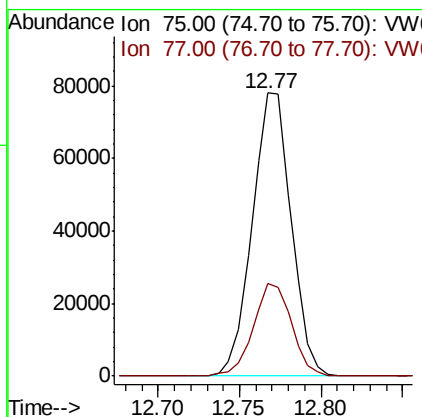
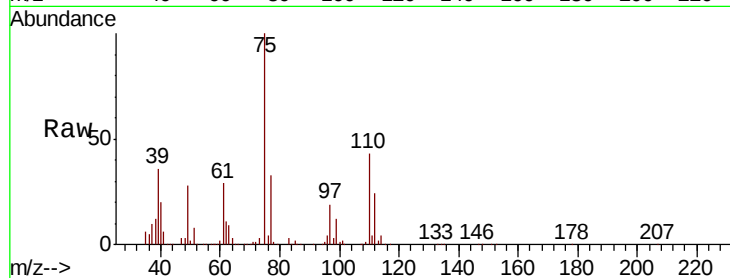
VSTD02519

Tgt Ion: 75 Resp: 129424

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2



#62

Bromoform

Concen: 26.705 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

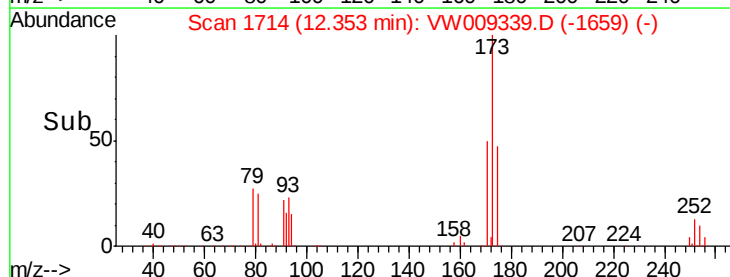
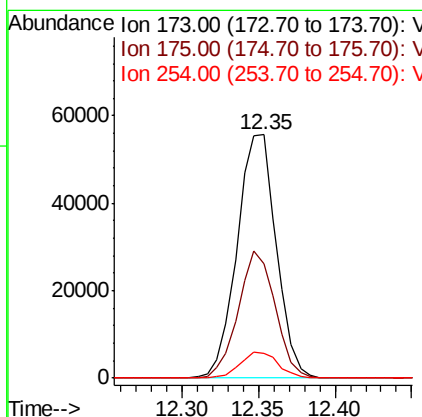
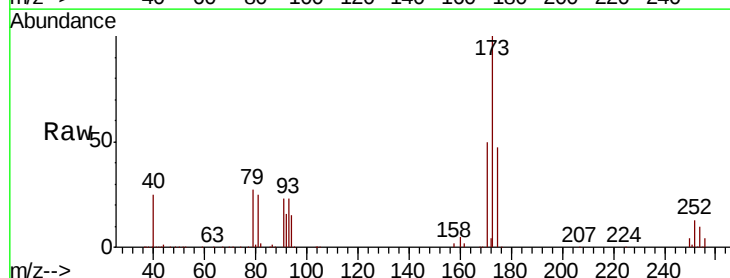
Tgt Ion: 173 Resp: 98873

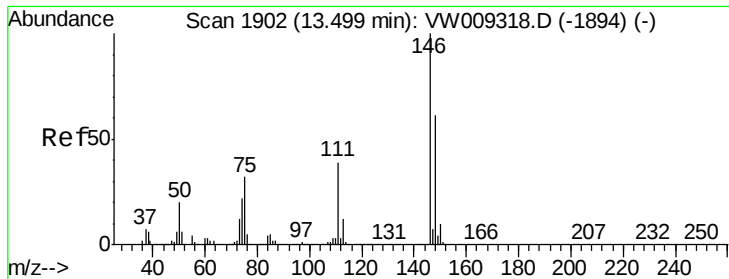
Ion Ratio Lower Upper

173 100

175 49.5 39.7 59.5

254 10.5 8.5 12.7

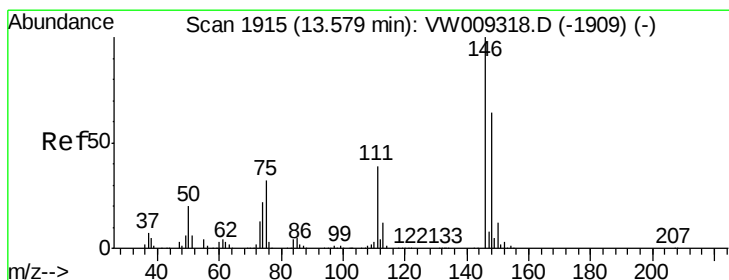
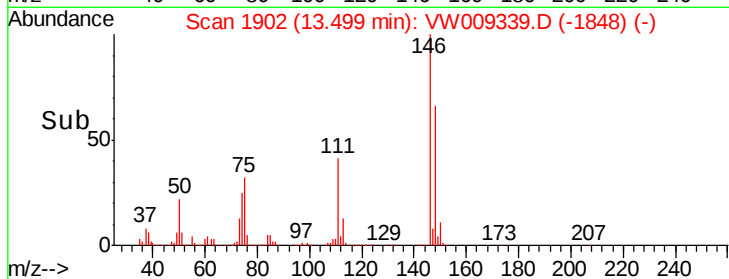
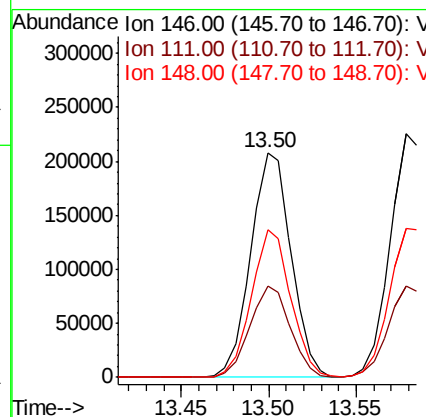
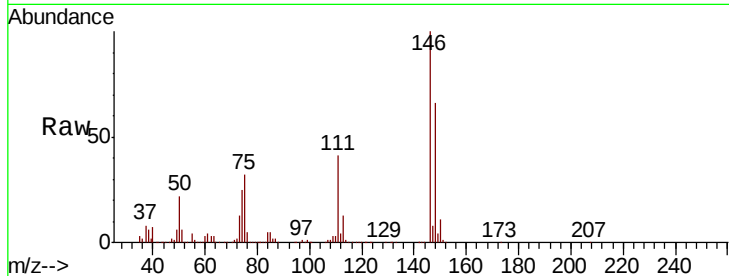




#63
 1,3-Dichlorobenzene
 Concen: 25.632 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

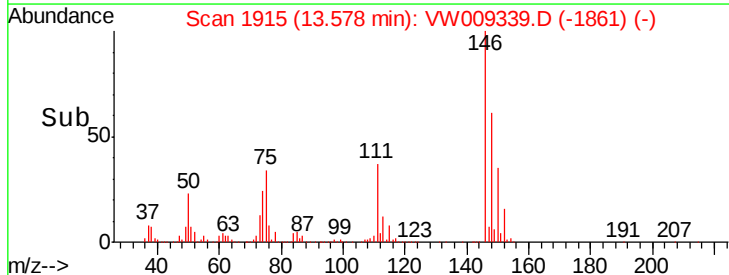
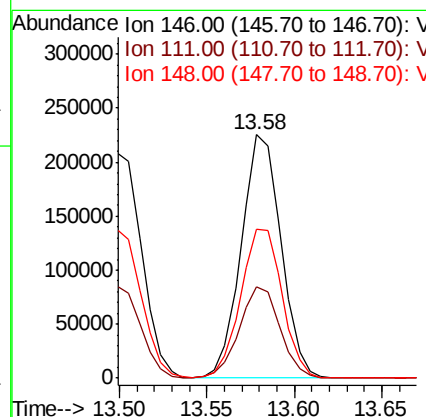
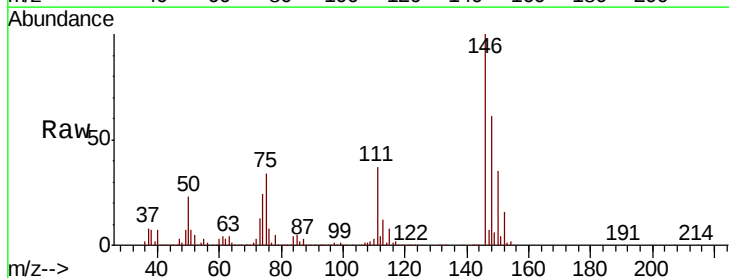
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

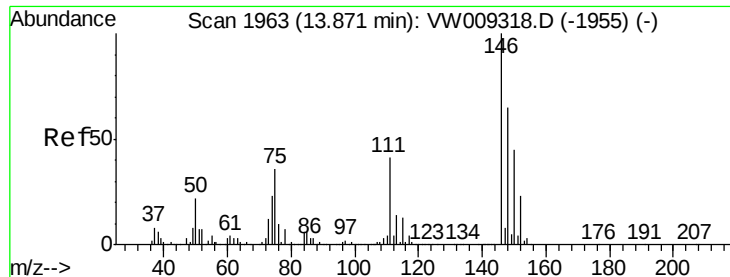
Tgt Ion:146 Resp: 334743
 Ion Ratio Lower Upper
 146 100
 111 40.6 26.9 49.9
 148 65.8 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.420 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Tgt Ion:146 Resp: 356730
 Ion Ratio Lower Upper
 146 100
 111 37.3 27.8 51.6
 148 61.4 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 26.830 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

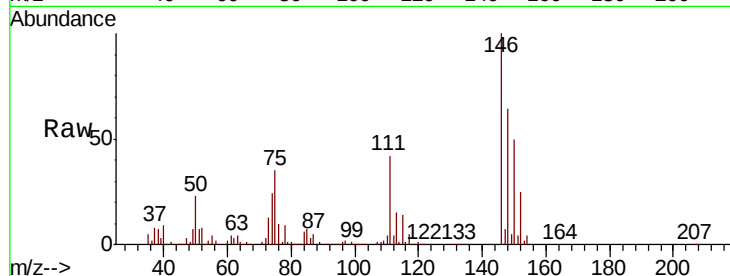
Tgt Ion:146 Resp: 334151

Ion Ratio Lower Upper

146 100

111 42.0 33.5 50.3

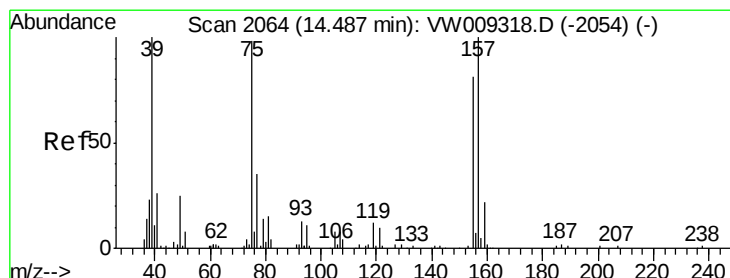
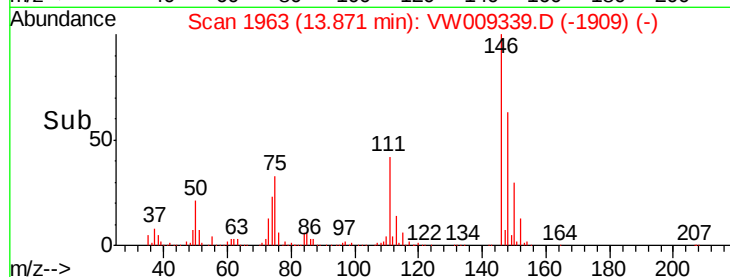
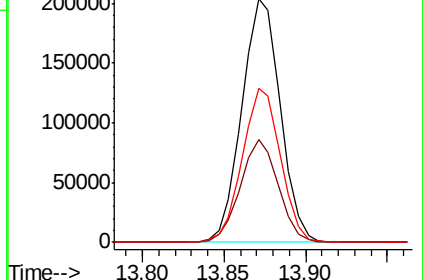
148 63.5 50.2 75.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.765 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

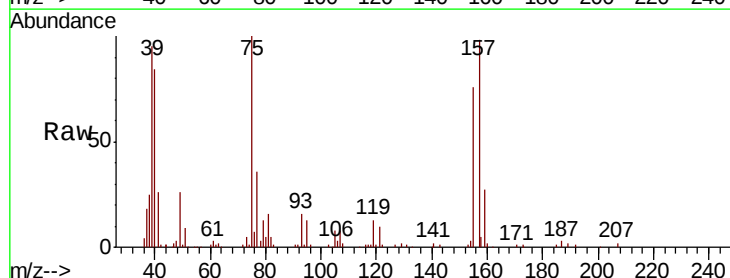
Tgt Ion: 75 Resp: 32670

Ion Ratio Lower Upper

75 100

157 97.7 89.0 133.4

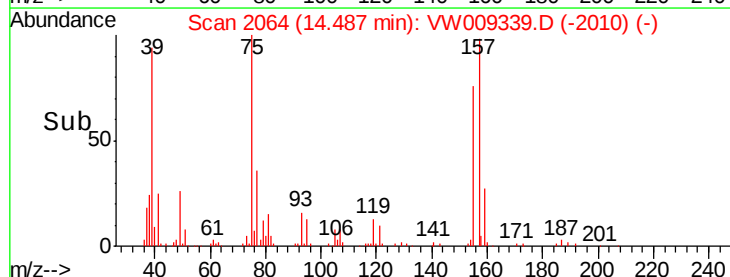
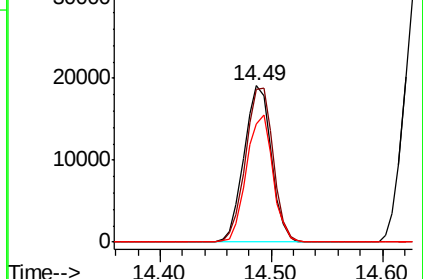
155 75.7 64.2 96.2

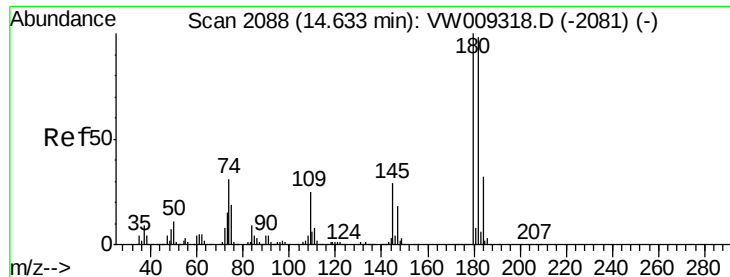


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

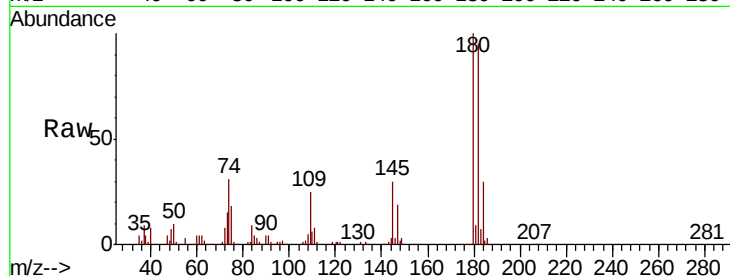




#67
 1,3,5-Trichlorobenzene
 Concen: 26.027 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
184	29.9	23.8	35.6
145	29.3	23.4	35.2



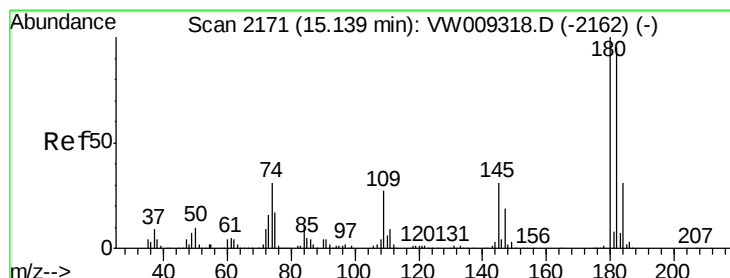
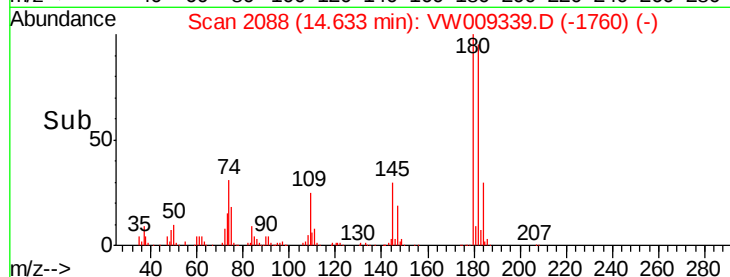
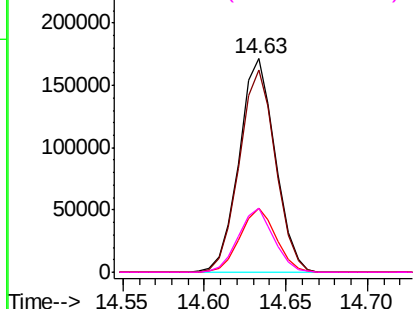
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

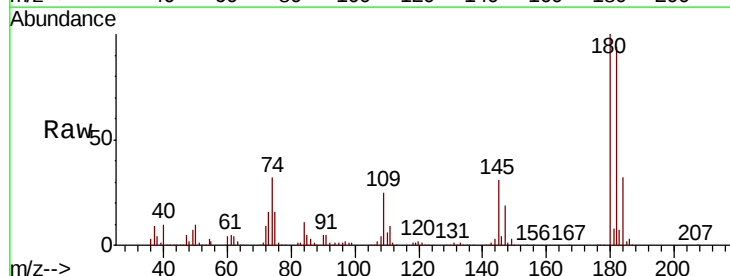
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.971 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009339.D
 Acq: 22 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.5	113.3
145	30.1	24.1	36.1

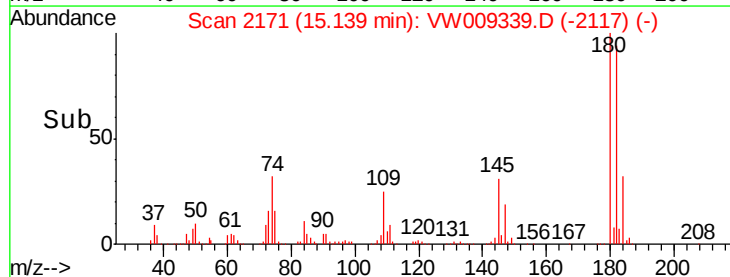
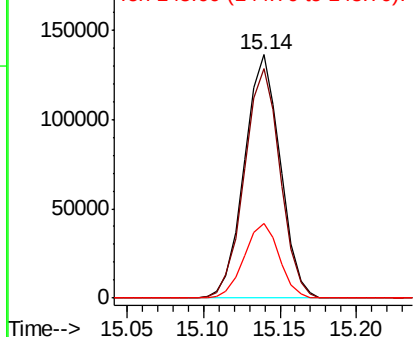


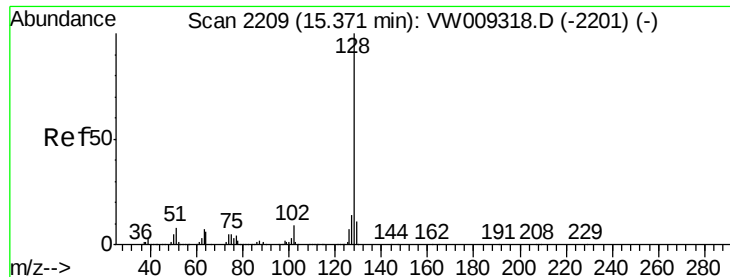
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.097 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

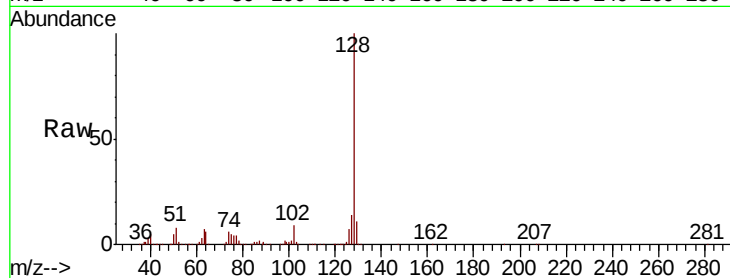
Tgt Ion:128 Resp: 480676

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

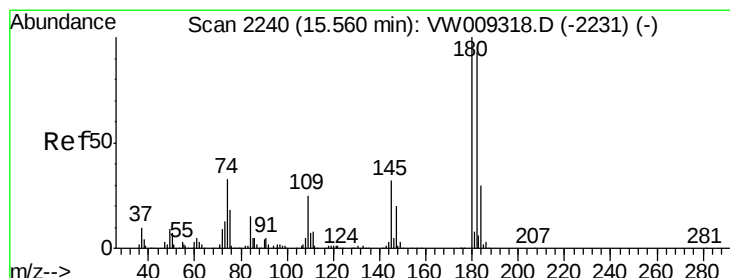
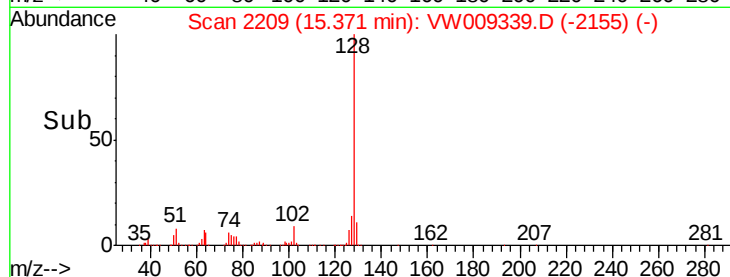
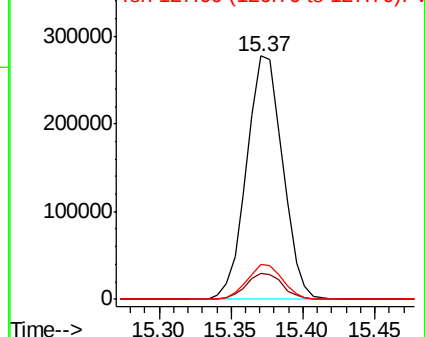
127 13.9 11.1 16.7



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: 26.442 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009339.D

Acq: 22 Mar 2019 10:19

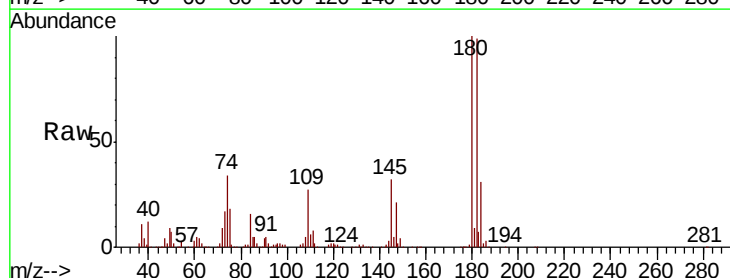
Tgt Ion:180 Resp: 211907

Ion Ratio Lower Upper

180 100

182 95.2 77.2 115.8

145 32.1 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

