

Data File : VW010992.D
Acq On : 26 Jun 2019 03:33
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Jun 26 04:42:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 04:33:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	300911	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	285678	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	140340	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	88481	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
7) Chloroethane-d5	2.88	69	72032	23.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.84%
10) 1,1-Dichloroethene-d2	4.02	63	218637	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.88%
20) 2-Butanone-d5	7.07	46	102686	56.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.12%
24) Chloroform-d	7.65	84	209002	25.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	8.31	65	135086	26.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.40%
29) Benzene-d6	8.27	84	414356	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
33) 1,2-Dichloropropane-d6	9.27	67	140841	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.40%
37) Toluene-d8	10.32	98	369836	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.60%
38) trans-1,3-Dichloropropene-	10.57	79	56882	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.72%
39) 2-Hexanone-d5	10.92	63	64741	50.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124499	26.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	133547	25.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	99279	23.471 ug/L	98
3) Chloromethane	2.21	50	112593	25.037 ug/L	100
5) Vinyl chloride	2.36	62	137224	25.521 ug/L	100
6) Bromomethane	2.77	94	70772	26.666 ug/L	100
8) Chloroethane	2.92	64	75320	26.450 ug/L	99
9) Trichlorofluoromethane	3.25	101	32991	18.168 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	103989	24.642 ug/L	99
12) 1,1-Dichloroethene	4.04	96	106800	25.356 ug/L	93
13) Acetone	4.12	43	76100	43.385 ug/L	99
14) Carbon disulfide	4.39	76	300980	24.135 ug/L	98
15) Methyl Acetate	4.67	43	91463	30.123 ug/L	99
16) Methylene chloride	4.92	84	126406	28.364 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	190872	28.943 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	110712	26.139 ug/L	96
19) 1,1-Dichloroethane	6.21	63	231707	26.785 ug/L	99
21) 2-Butanone	7.17	43	125920	54.587 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	125065	27.443 ug/L	99

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QLast Update : Wed Jun 26 04:33:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54124	27.925	ug/L	95
25) Chloroform	7.67	83	220427	27.772	ug/L	100
27) 1,2-Dichloroethane	8.40	62	175469	28.213	ug/L	100
30) Cyclohexane	7.95	56	214740	22.732	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	149813	24.112	ug/L	99
32) Carbon tetrachloride	8.07	117	139654	23.797	ug/L	99
34) Benzene	8.32	78	484965	25.833	ug/L	100
35) Trichloroethene	9.09	95	119737	25.151	ug/L	100
36) Methylcyclohexane	9.34	83	202604	23.186	ug/L	99
40) 1,2-Dichloropropane	9.37	63	135190	26.164	ug/L	100
41) Bromodichloromethane	9.64	83	160583	26.483	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	200098	25.174	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	259239	54.065	ug/L	100
44) Toluene	10.38	91	503012	25.625	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	165202	25.143	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	95973	27.102	ug/L	99
47) Tetrachloroethene	10.86	164	86040	23.831	ug/L	92
49) 2-Hexanone	10.97	43	185661	54.425	ug/L	100
50) Dibromochloromethane	11.13	129	103613	26.573	ug/L	98
51) 1,2-Dibromoethane	11.23	107	94369	27.557	ug/L	100
52) Chlorobenzene	11.66	112	312637	26.467	ug/L	100
53) Ethylbenzene	11.73	91	567331	25.653	ug/L	99
54) m,p-Xylene	11.84	106	205509	25.608	ug/L	99
55) o-xylene	12.16	106	202067	26.240	ug/L	98
56) Styrene	12.18	104	355187	26.747	ug/L	98
57) Isopropylbenzene	12.46	105	530515	25.393	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	128533	27.760	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	101459	28.222	ug/L	100
62) Bromoform	12.35	173	59788	26.616	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	240501	26.322	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	239662	26.113	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	228290	27.015	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22865	26.443	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	177501	25.524	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	157793	26.772	ug/L	99
69) Naphthalene	15.37	128	365045	29.024	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	149621	27.947	ug/L	100

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

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MSVOA_W
ClientSampleId :
VSTD02508

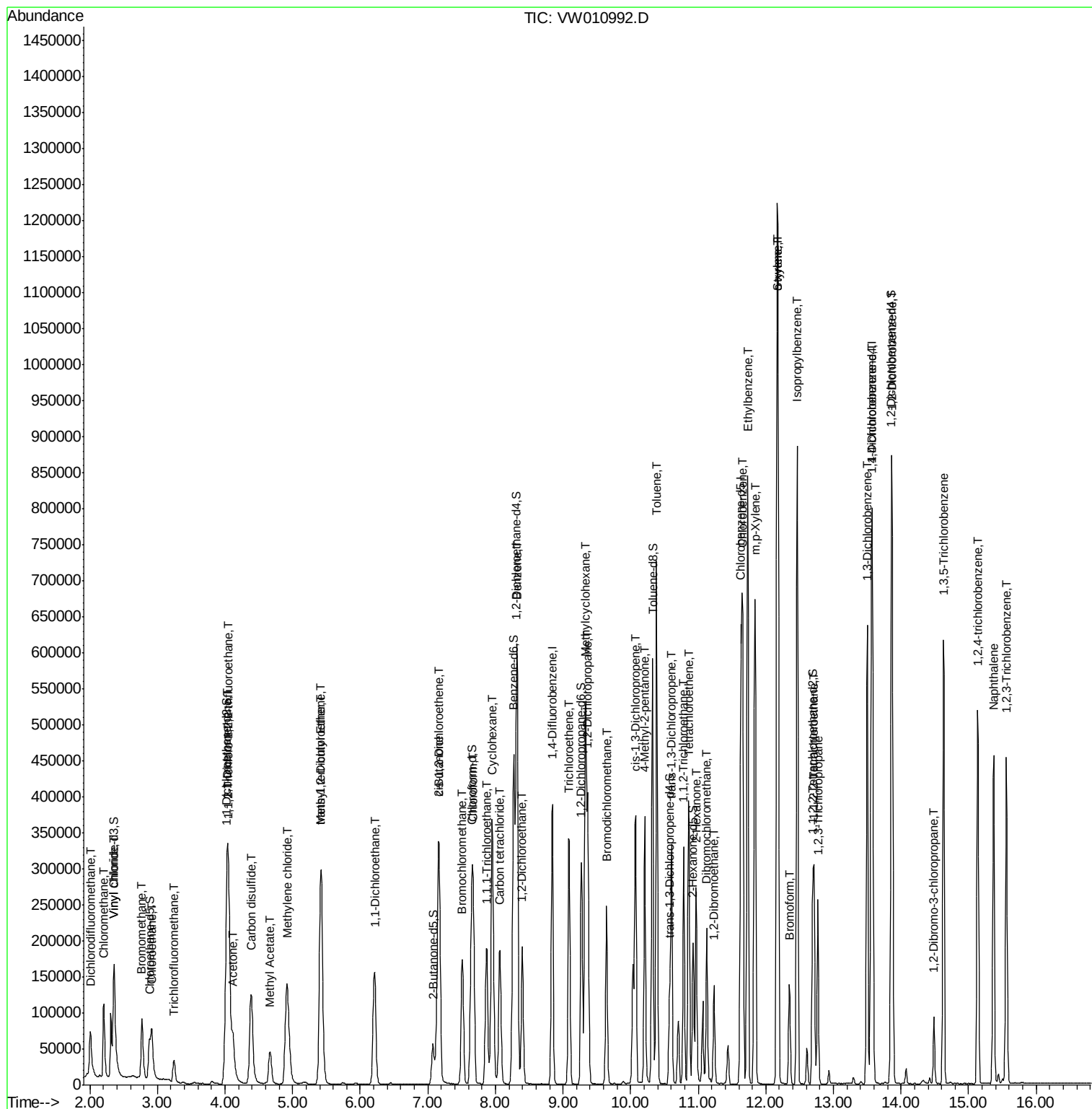
Quant Time: Jun 26 04:42:22 2019

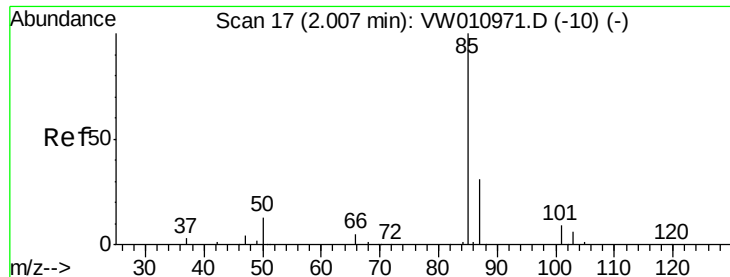
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M

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#2

Dichlorodifluoromethane

Concen: 23.471 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

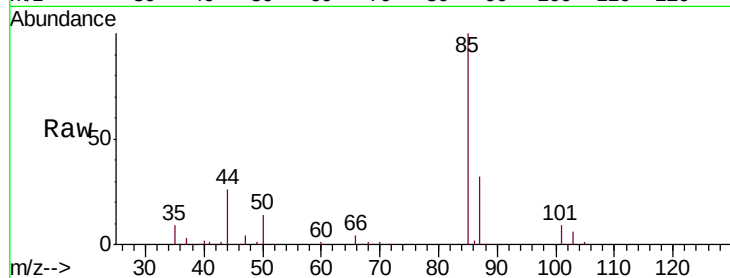
VSTD02508

Tgt Ion: 85 Resp: 99279

Ion Ratio Lower Upper

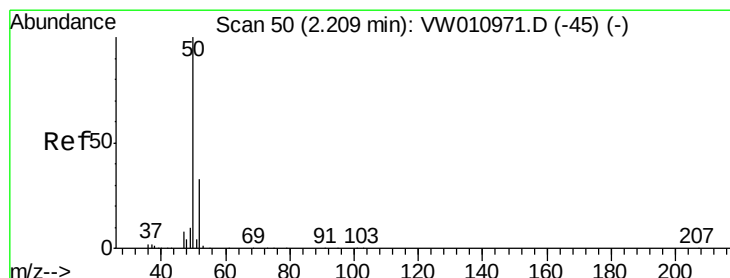
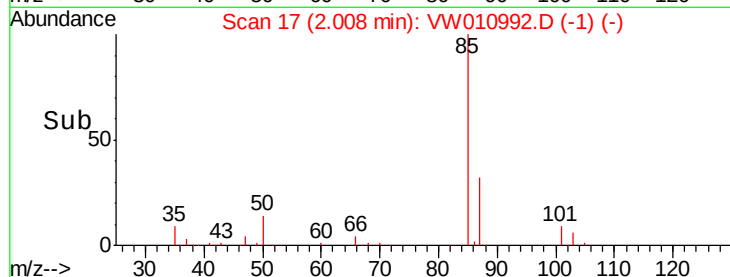
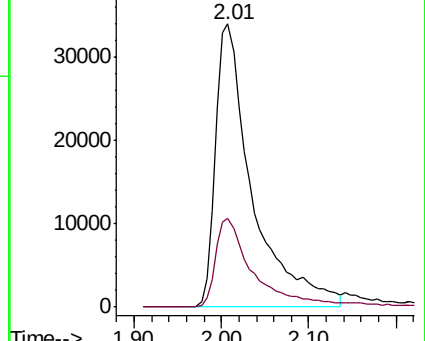
85 100

87 32.1 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.037 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010992.D

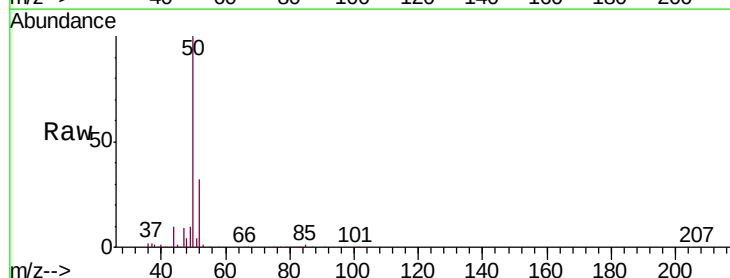
Acq: 26 Jun 2019 03:33

Tgt Ion: 50 Resp: 112593

Ion Ratio Lower Upper

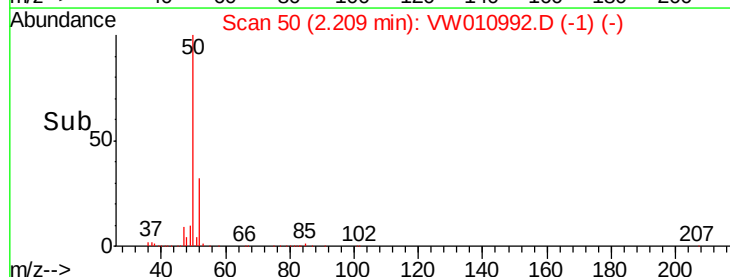
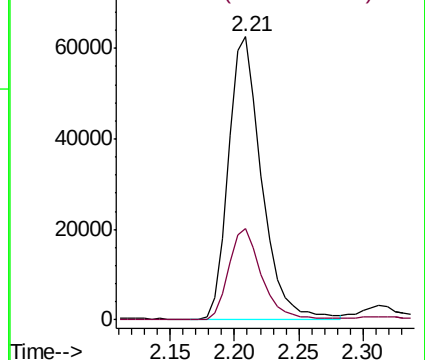
50 100

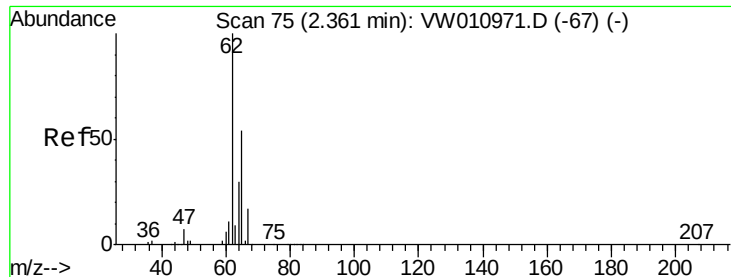
52 32.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.521 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

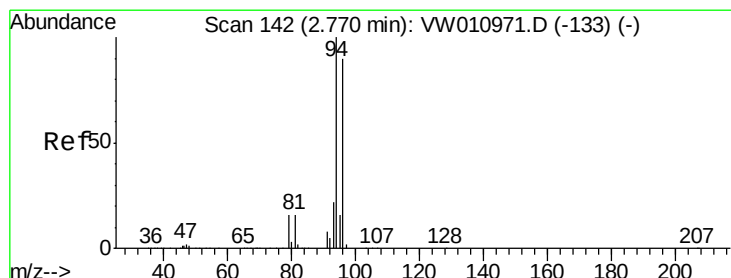
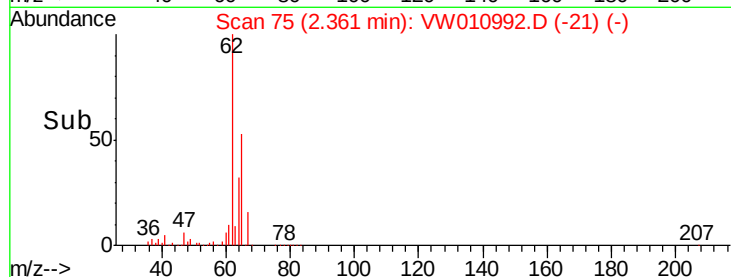
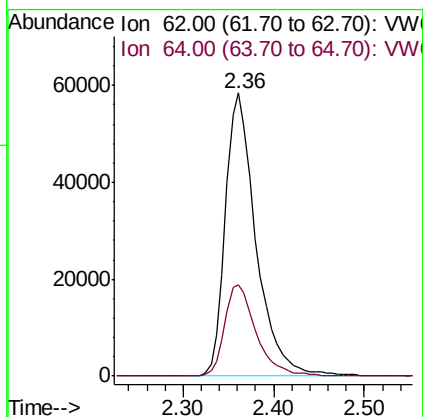
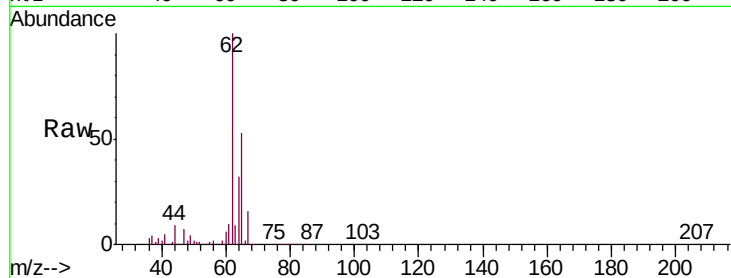
VSTD02508

Tgt Ion: 62 Resp: 137224

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#6

Bromomethane

Concen: 26.666 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010992.D

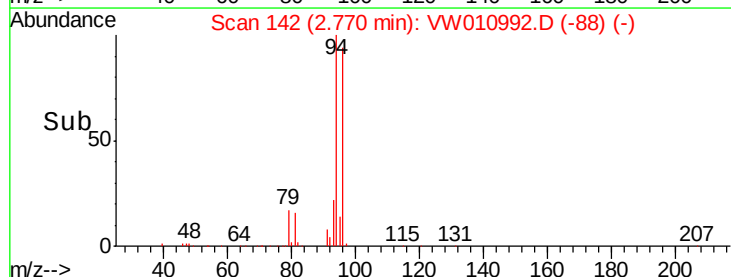
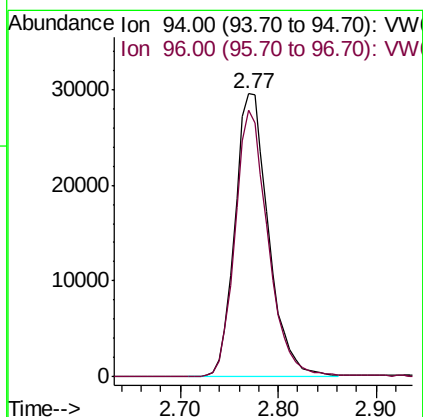
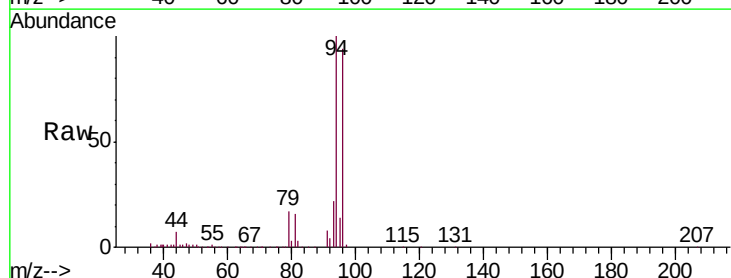
Acq: 26 Jun 2019 03:33

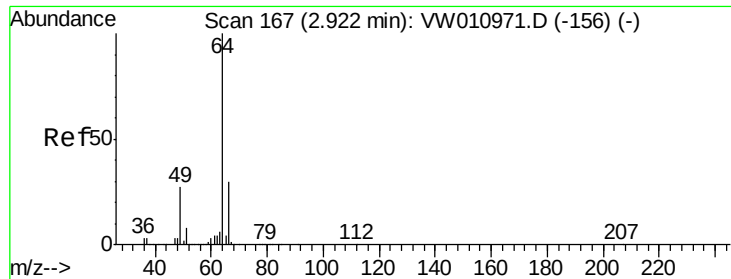
Tgt Ion: 94 Resp: 70772

Ion Ratio Lower Upper

94 100

96 92.4 9.2 175.8





#8

Chloroethane

Concen: 26.450 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

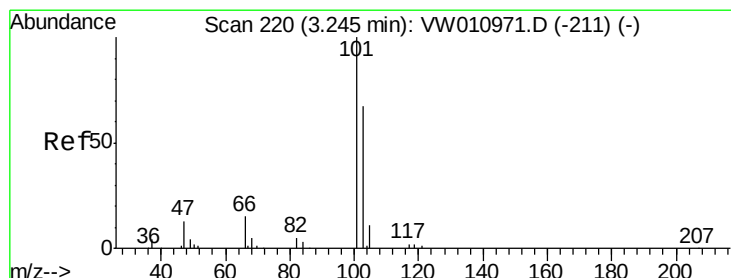
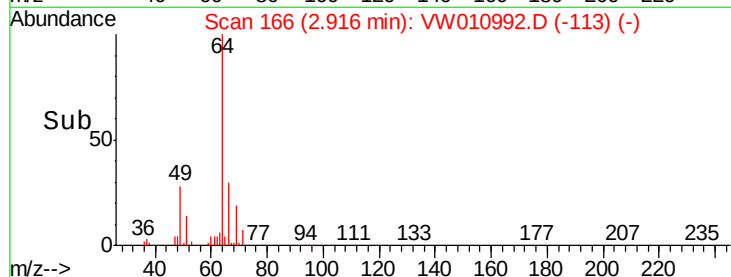
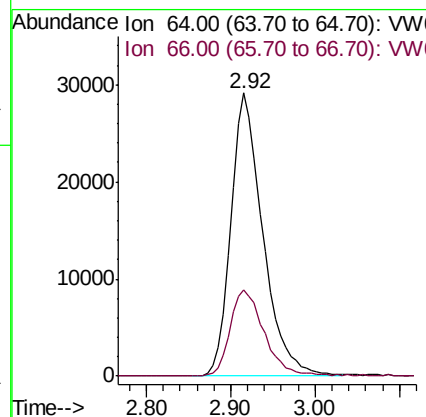
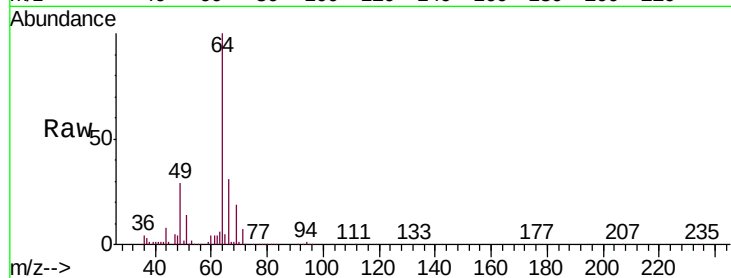
VSTD02508

Tgt Ion: 64 Resp: 75320

Ion Ratio Lower Upper

64 100

66 30.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 18.168 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010992.D

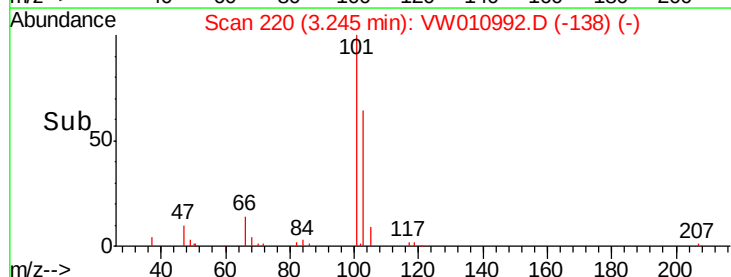
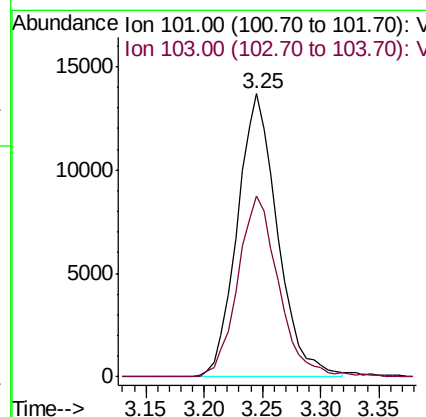
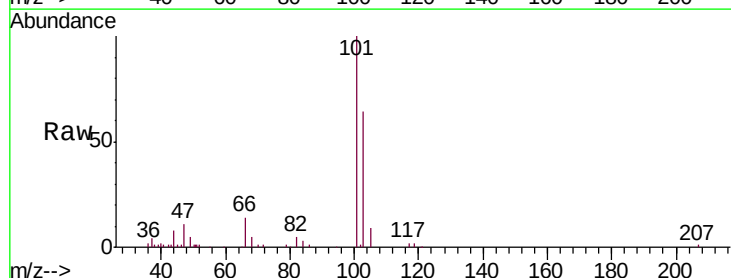
Acq: 26 Jun 2019 03:33

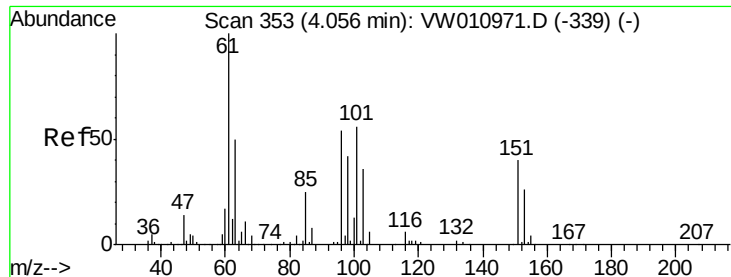
Tgt Ion: 101 Resp: 32991

Ion Ratio Lower Upper

101 100

103 64.1 46.4 86.2





#11

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

Concen: 24.642 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

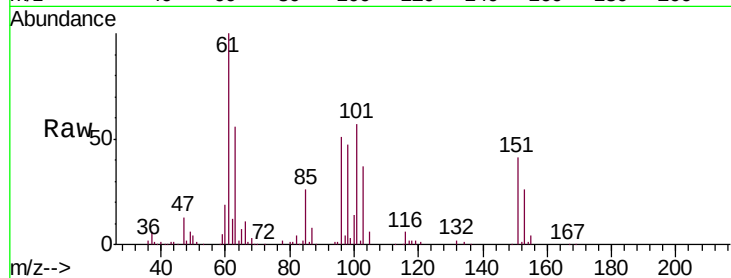
Tgt Ion: 101 Resp: 103989

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.8

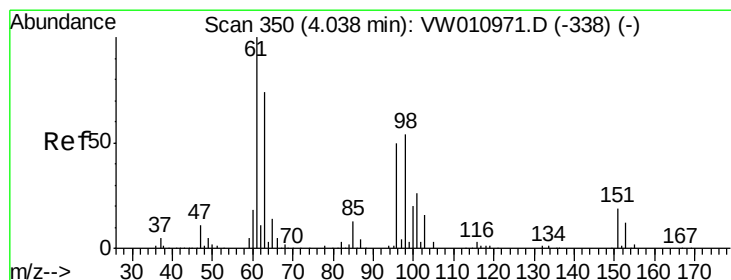
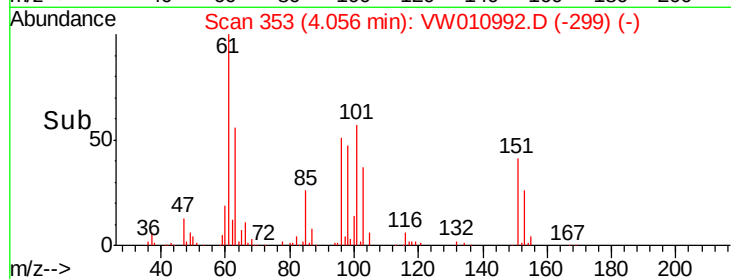
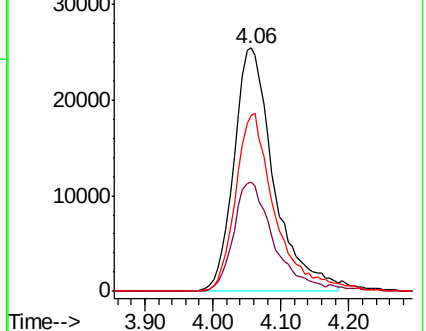
151 71.7 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.356 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

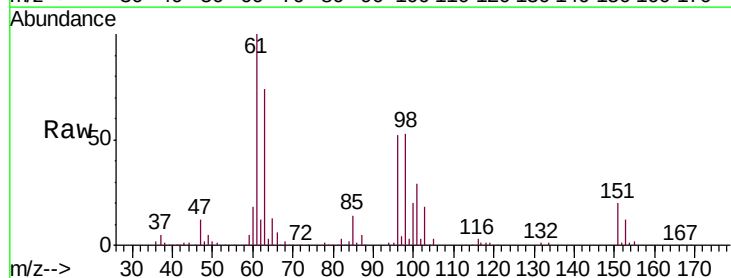
Tgt Ion: 96 Resp: 106800

Ion Ratio Lower Upper

96 100

61 190.7 144.5 268.3

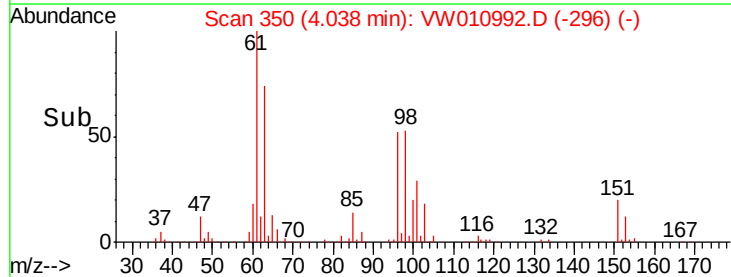
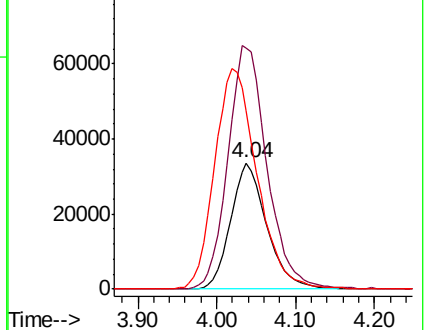
63 141.6 102.3 189.9

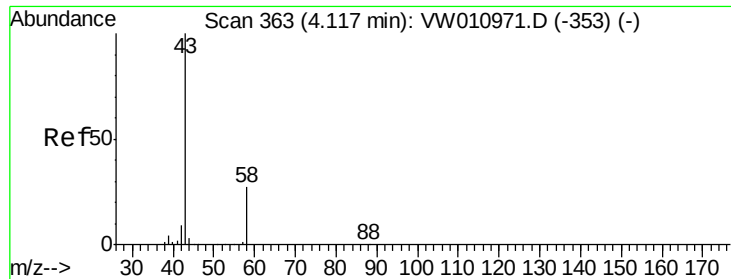


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.385 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

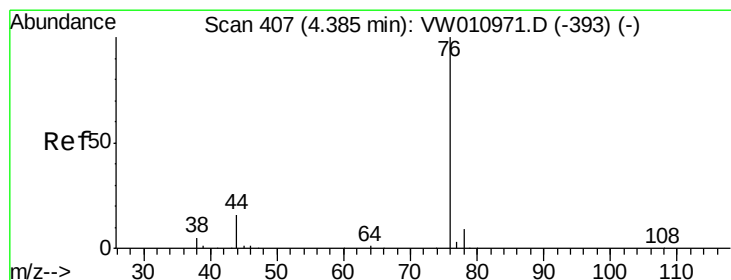
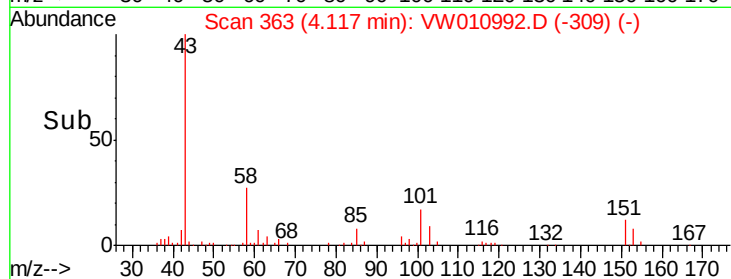
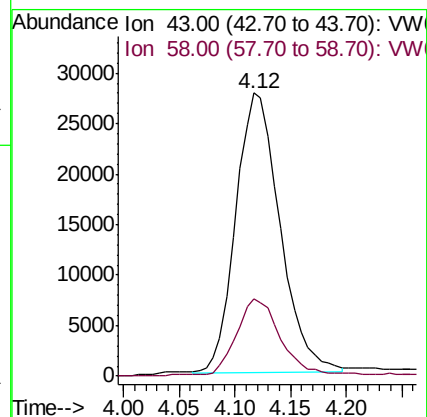
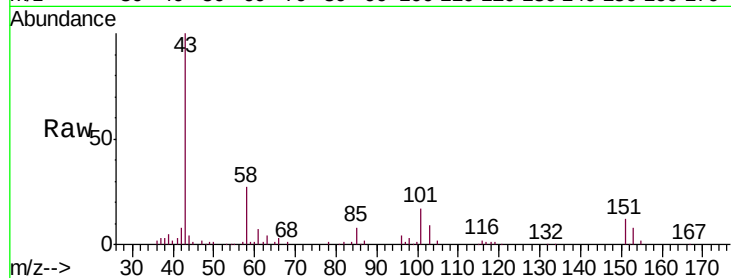
VSTD02508

Tgt Ion: 43 Resp: 76100

Ion Ratio Lower Upper

43 100

58 27.4 0.0 53.2



#14

Carbon disulfide

Concen: 24.135 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010992.D

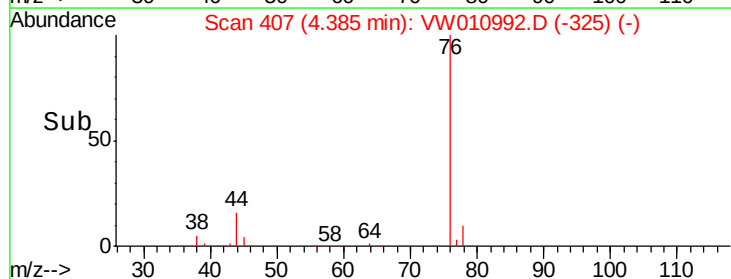
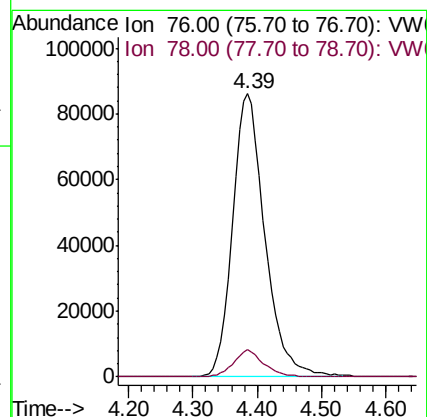
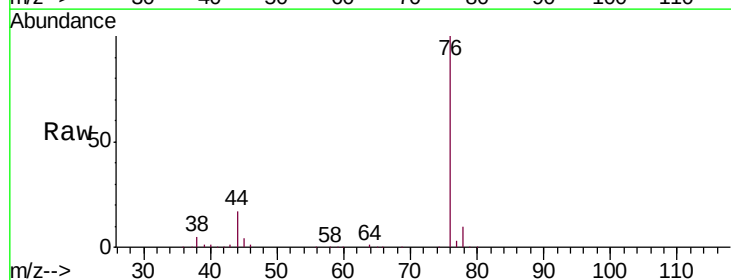
Acq: 26 Jun 2019 03:33

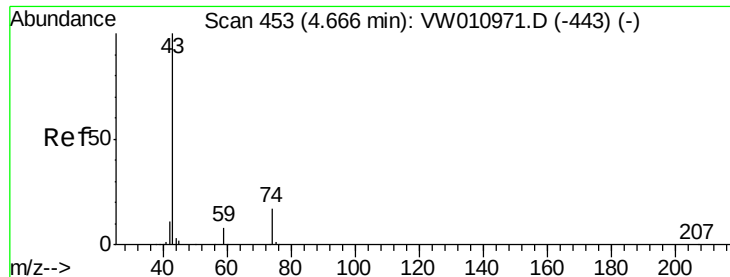
Tgt Ion: 76 Resp: 300980

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

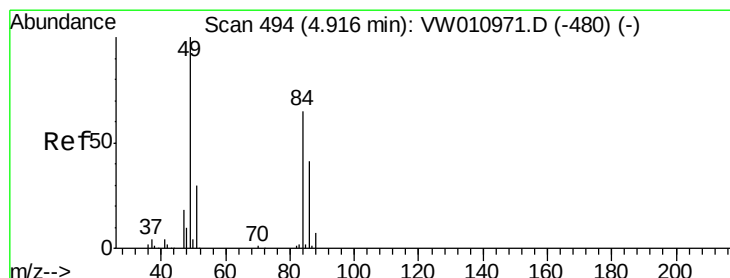
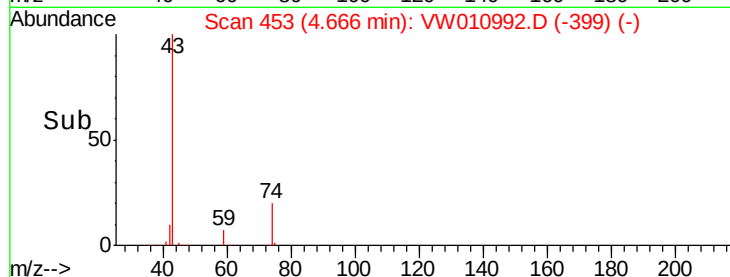
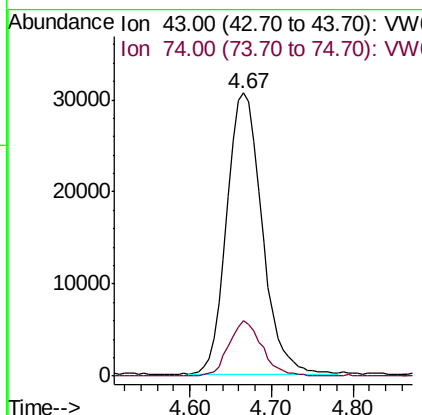
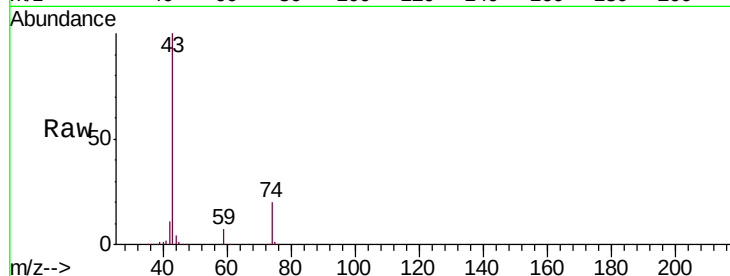




#15
Methyl Acetate
Concen: 30.123 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

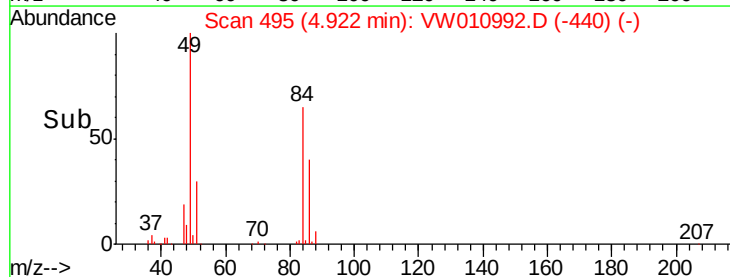
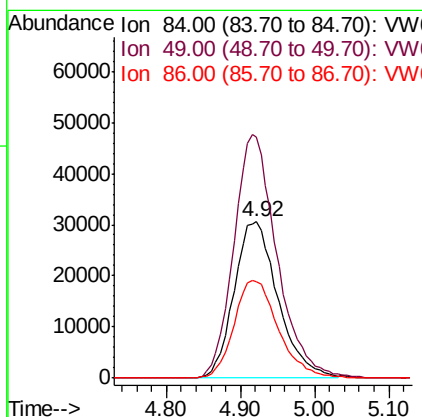
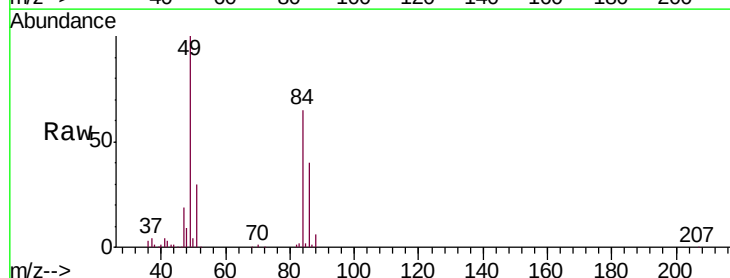
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

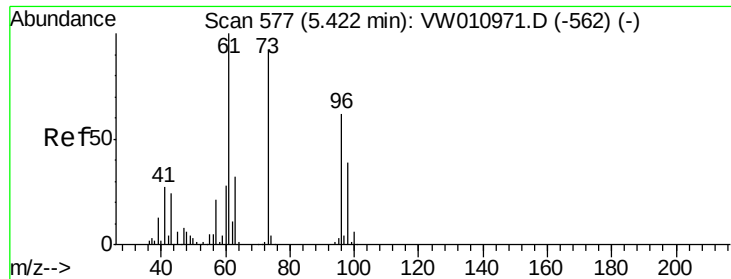
Tgt Ion: 43 Resp: 91463
Ion Ratio Lower Upper
43 100
74 18.4 15.3 22.9



#16
Methylene chloride
Concen: 28.364 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

Tgt Ion: 84 Resp: 126406
Ion Ratio Lower Upper
84 100
49 154.7 107.0 198.8
86 61.9 44.4 82.5

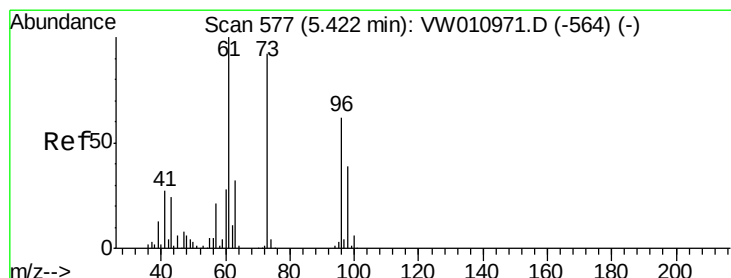
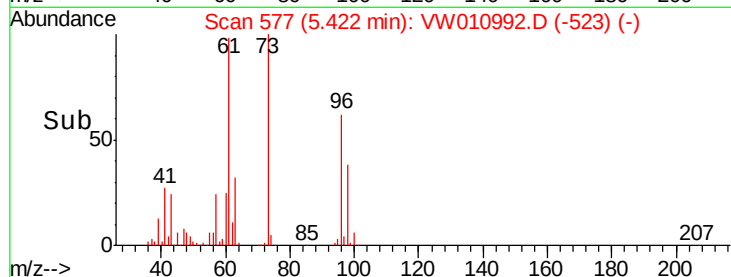
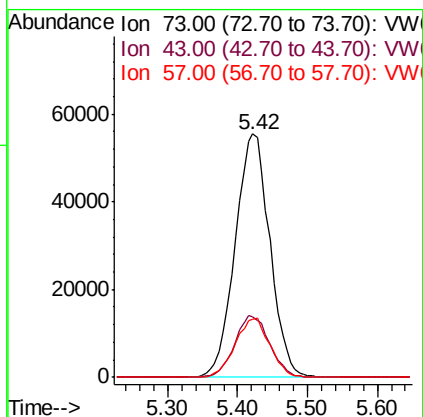
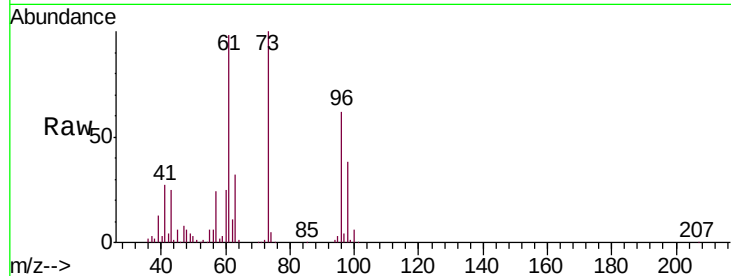




#17
Methyl tert-butyl Ether
Concen: 28.943 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

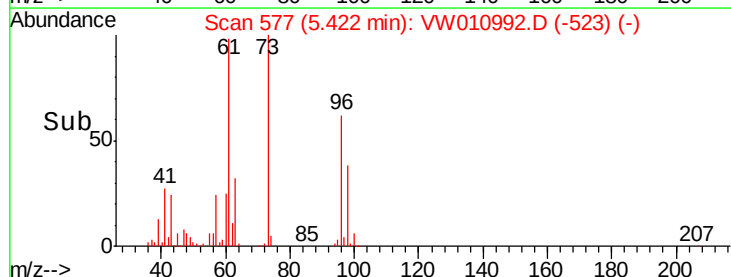
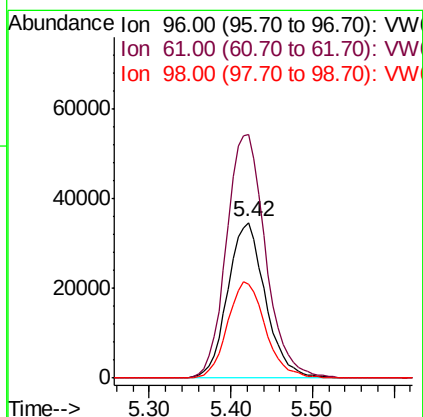
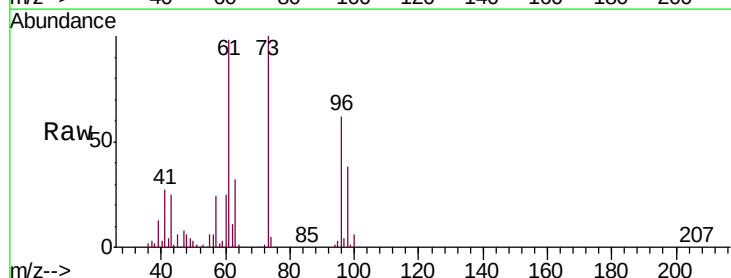
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

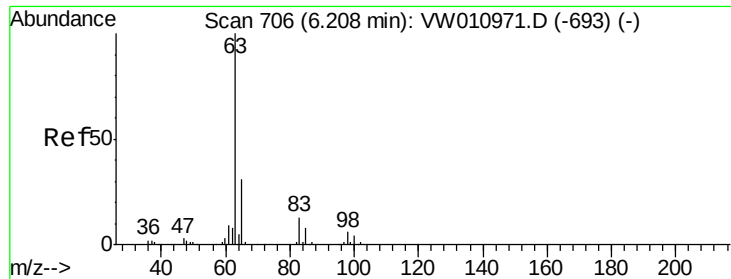
Tgt Ion: 73 Resp: 190872
Ion Ratio Lower Upper
73 100
43 25.3 20.2 30.2
57 24.4 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 26.139 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

Tgt Ion: 96 Resp: 110712
Ion Ratio Lower Upper
96 100
61 156.6 113.3 210.3
98 60.7 44.1 81.9

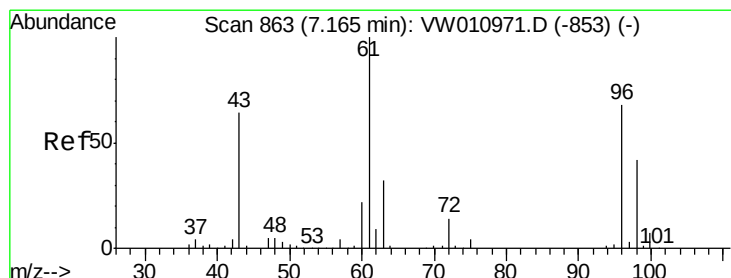
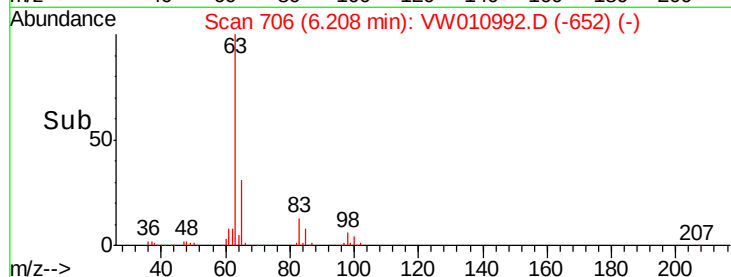
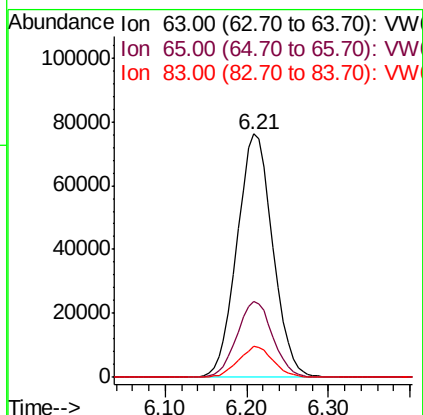
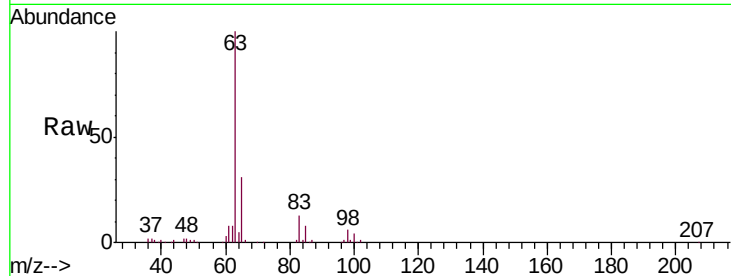




#19
 1,1-Dichloroethane
 Concen: 26.785 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

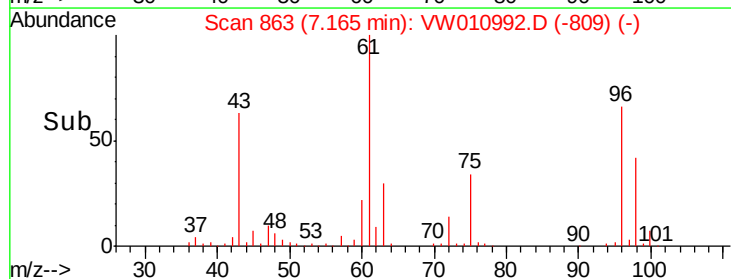
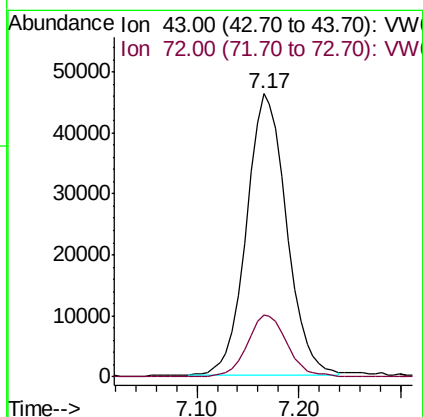
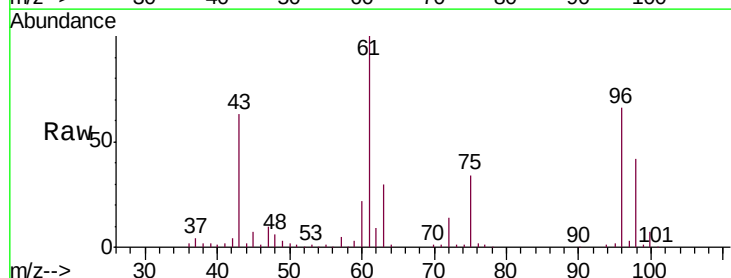
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

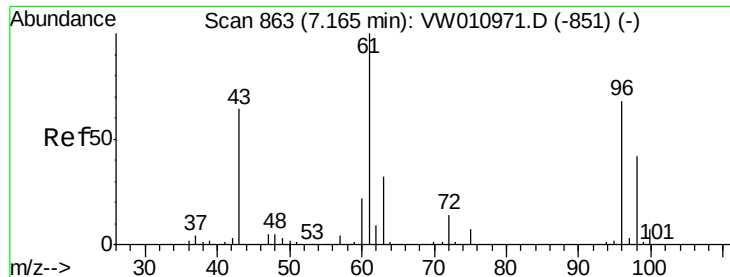
Tgt Ion: 63 Resp: 231707
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.3 39.6
 83 12.6 8.5 15.9



#21
 2-Butanone
 Concen: 54.587 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Tgt Ion: 43 Resp: 125920
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.9 32.6



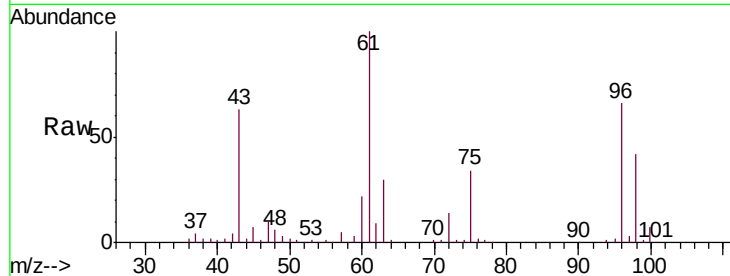


#22

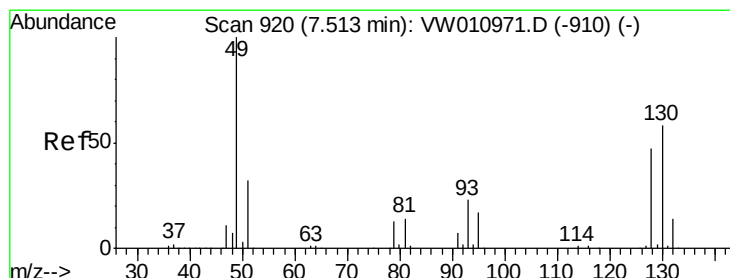
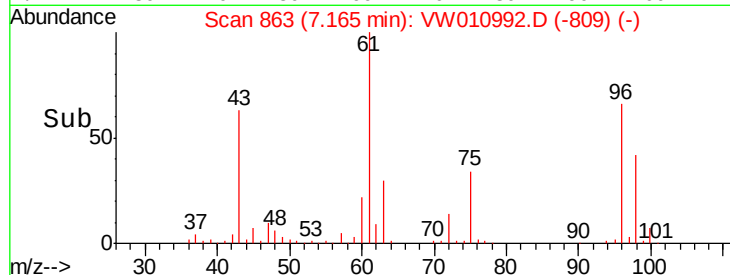
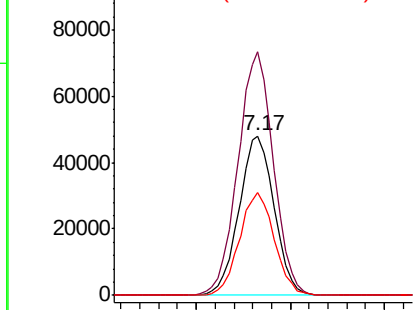
cis-1,2-Dichloroethene
 Concen: 27.443 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02508

Tgt Ion: 96 Resp: 125065
 Ion Ratio Lower Upper
 96 100
 61 152.6 106.5 197.7
 98 64.2 45.5 84.5



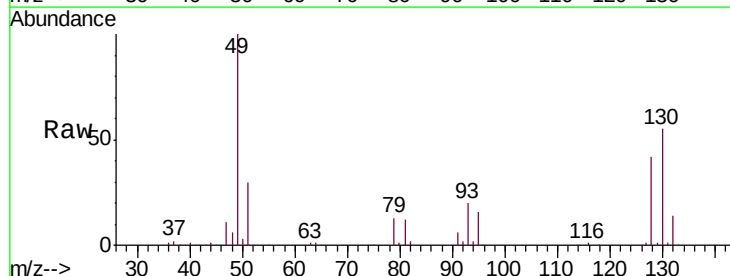
Abundance Ion 96.00 (95.70 to 96.70): VW
 100000 Ion 61.00 (60.70 to 61.70): VW
 80000 Ion 98.00 (97.70 to 98.70): VW



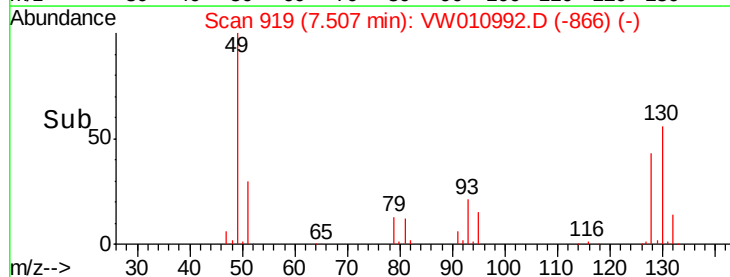
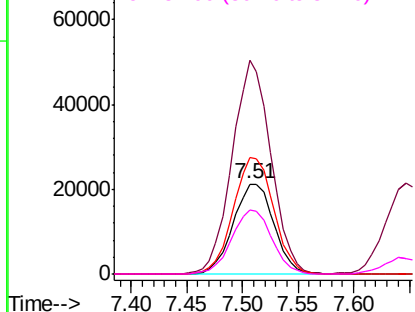
#23

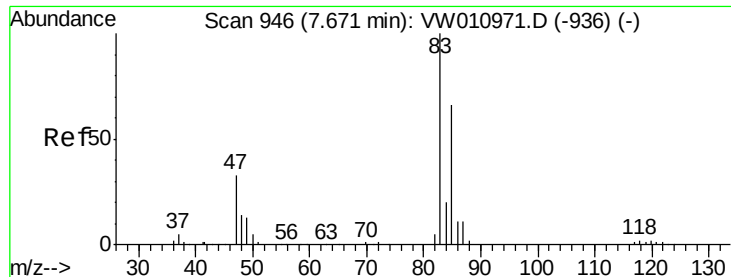
Bromochloromethane
 Concen: 27.925 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Tgt Ion: 128 Resp: 54124
 Ion Ratio Lower Upper
 128 100
 49 237.1 157.7 292.9
 130 129.3 91.6 170.0
 51 71.5 54.2 81.2



Abundance Ion 128.00 (127.70 to 128.70): V
 80000 Ion 49.00 (48.70 to 49.70): VW
 60000 Ion 130.00 (129.70 to 130.70): V
 40000 Ion 51.00 (50.70 to 51.70): VW

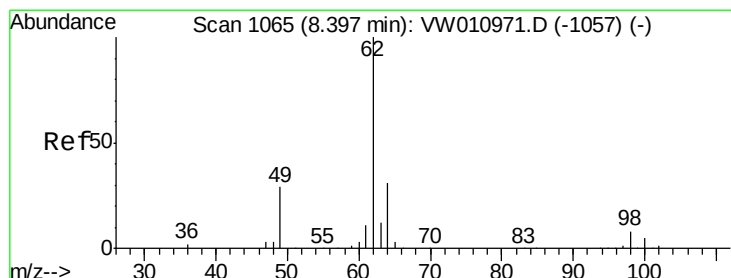
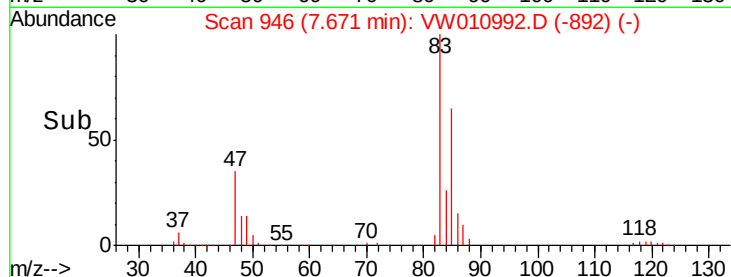
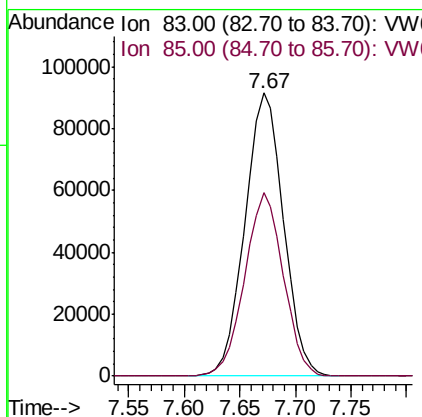
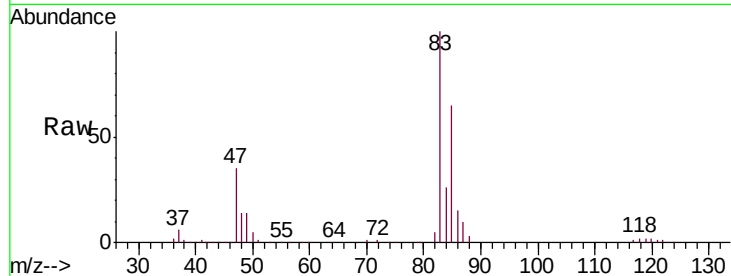




#25
Chloroform
Concen: 27.772 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

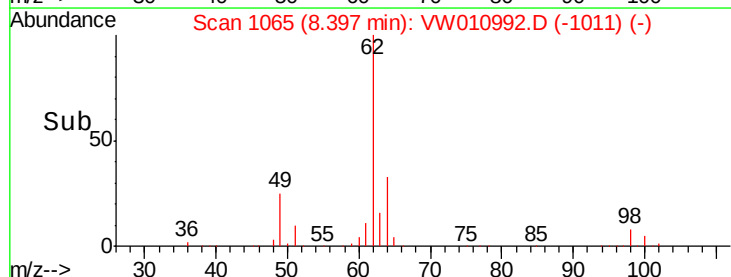
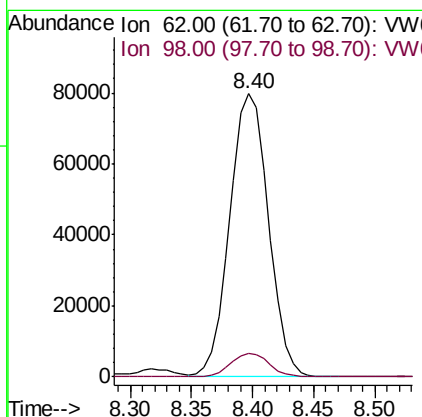
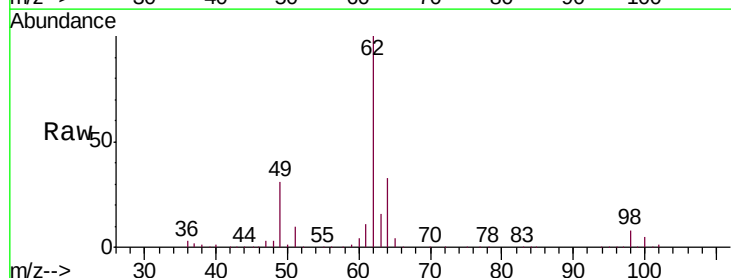
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

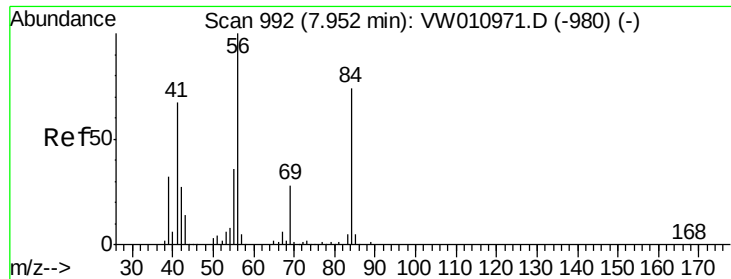
Tgt Ion: 83 Resp: 220427
Ion Ratio Lower Upper
83 100
85 64.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 28.213 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

Tgt Ion: 62 Resp: 175469
Ion Ratio Lower Upper
62 100
98 8.2 6.7 10.1

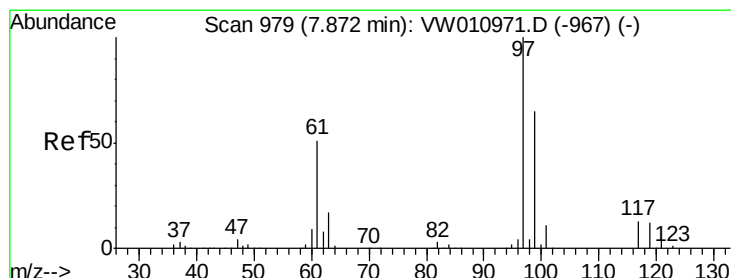
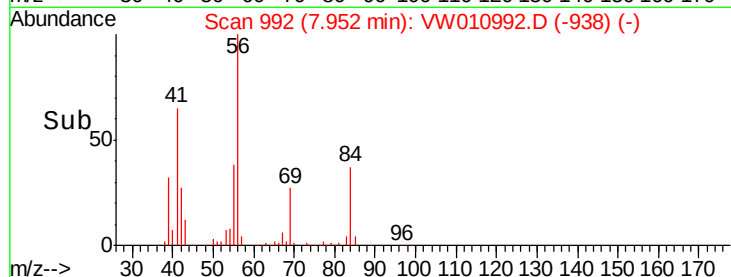
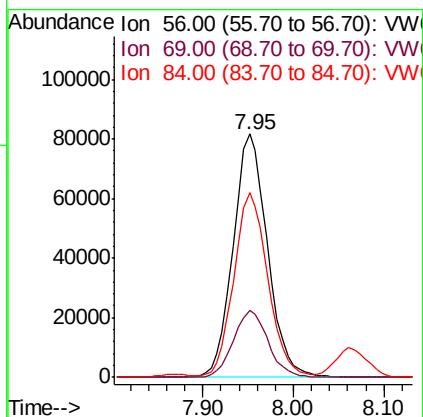
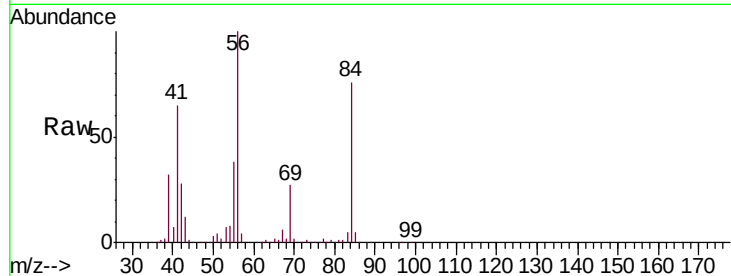




#30
Cyclohexane
Concen: 22.732 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

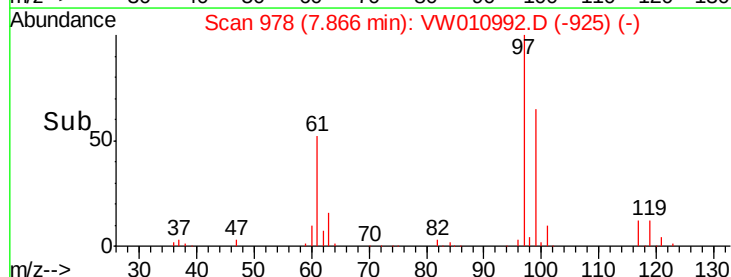
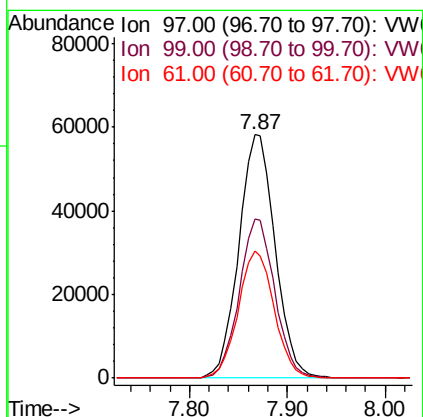
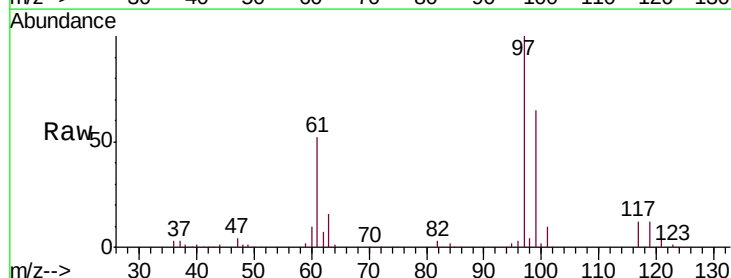
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

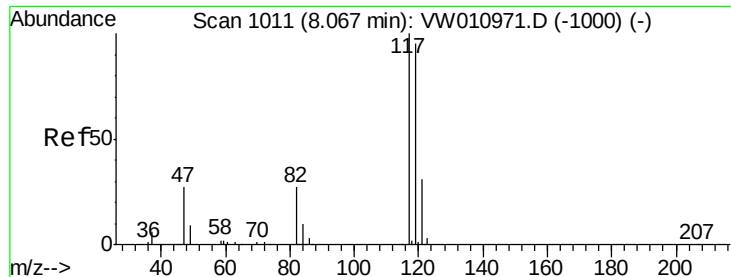
Tgt Ion: 56 Resp: 214740
Ion Ratio Lower Upper
56 100
69 27.8 22.2 33.4
84 75.5 60.3 90.5



#31
1,1,1-Trichloroethane
Concen: 24.112 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010992.D
Acq: 26 Jun 2019 03:33

Tgt Ion: 97 Resp: 149813
Ion Ratio Lower Upper
97 100
99 64.0 50.7 76.1
61 51.9 41.2 61.8





#32

Carbon tetrachloride

Concen: 23.797 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

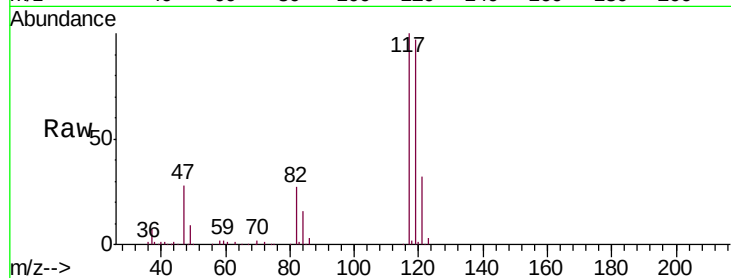
VSTD02508

Tgt Ion:117 Resp: 139654

Ion Ratio Lower Upper

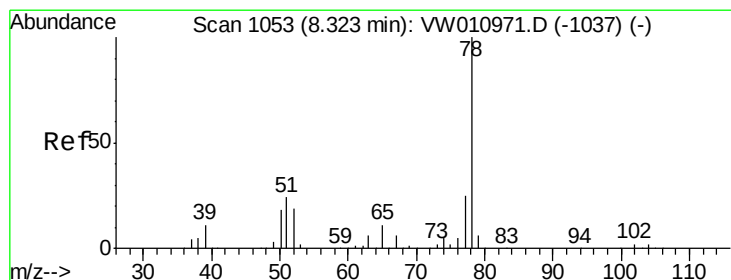
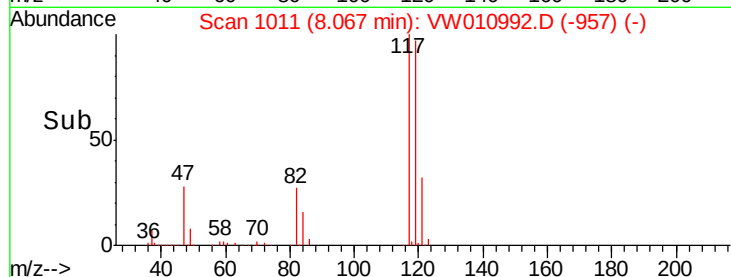
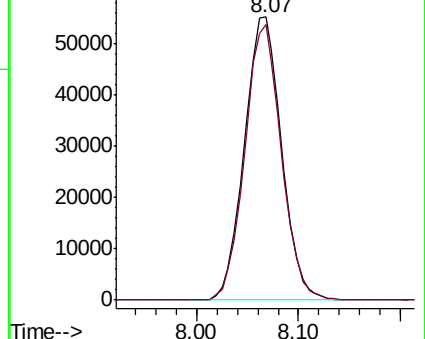
117 100

119 95.8 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.833 ug/L

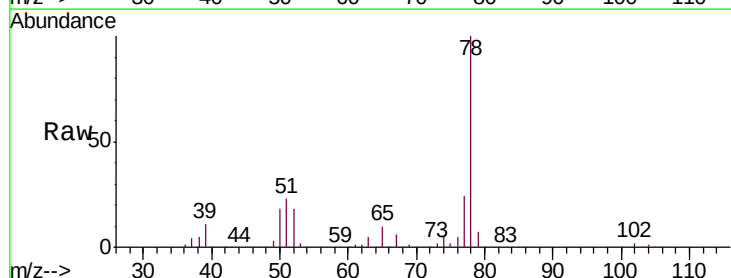
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

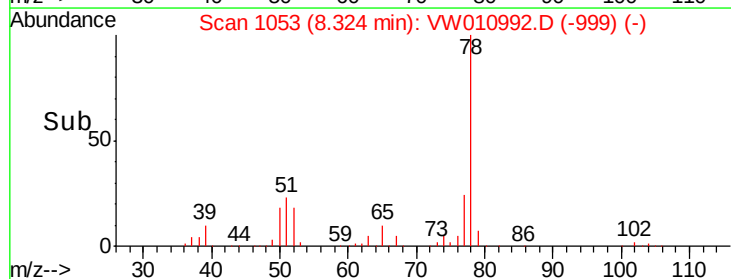
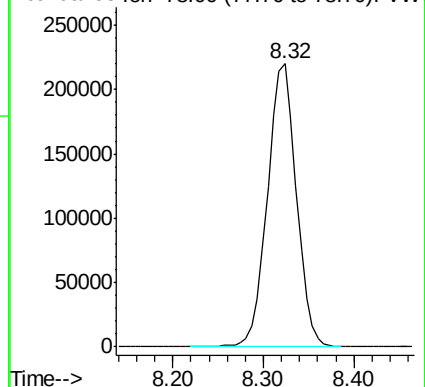
Lab File: VW010992.D

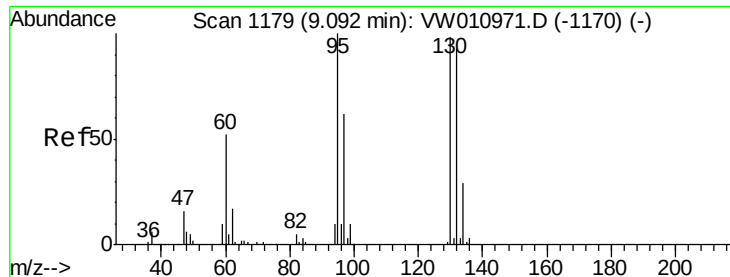
Acq: 26 Jun 2019 03:33

Tgt Ion: 78 Resp: 484965



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.151 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 95 Resp: 119737

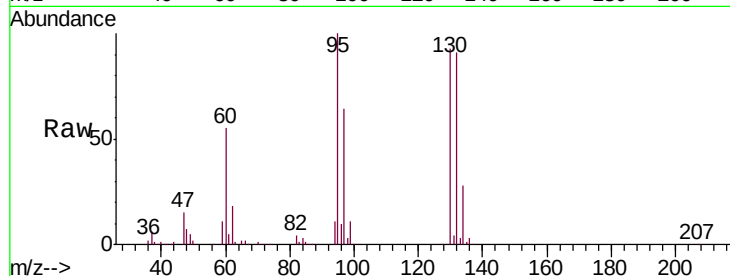
Ion Ratio Lower Upper

95 100

97 63.6 44.9 83.3

132 91.0 64.0 119.0

130 96.1 67.4 125.2

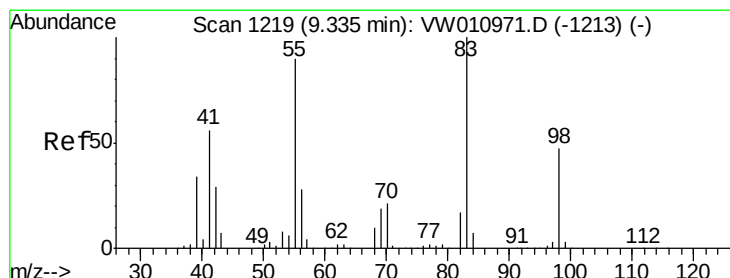
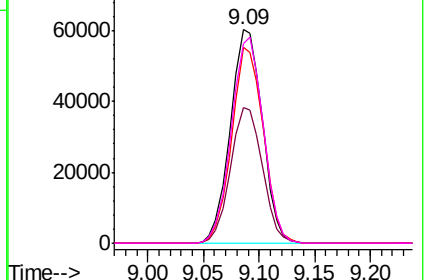
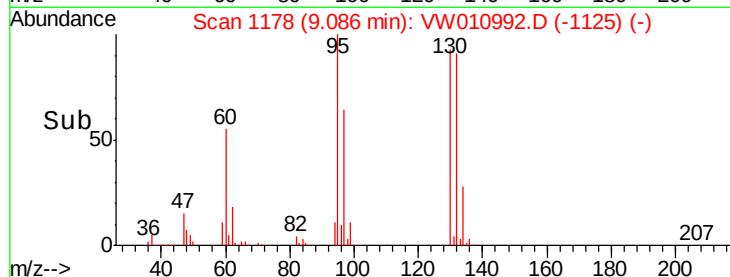


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 23.186 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

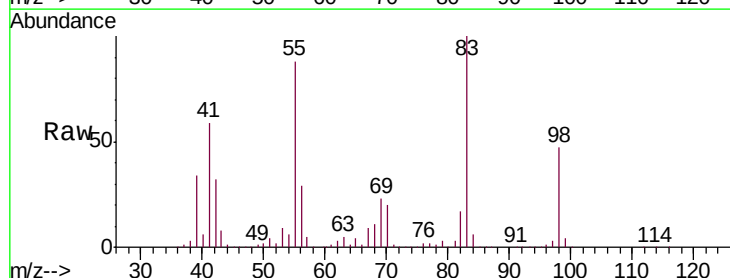
Tgt Ion: 83 Resp: 202604

Ion Ratio Lower Upper

83 100

55 89.8 72.2 108.2

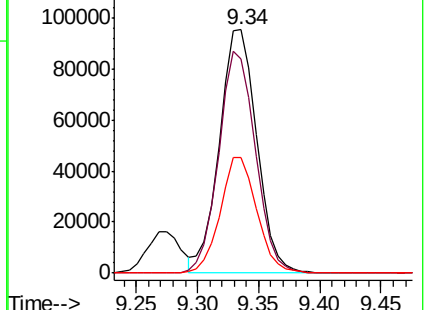
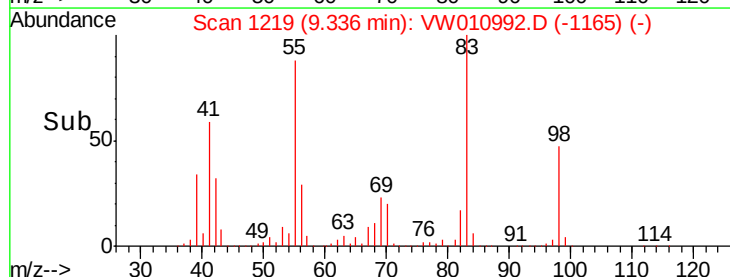
98 46.6 37.8 56.8

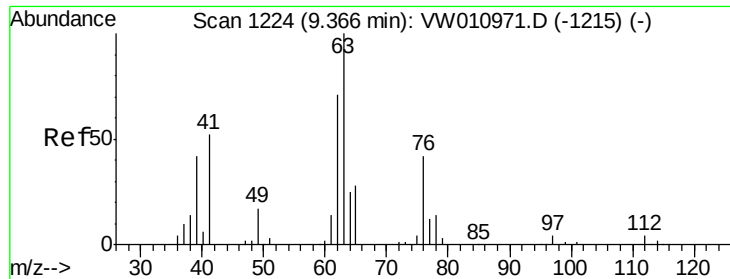


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

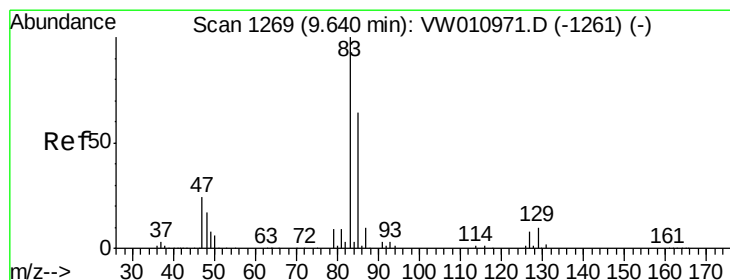
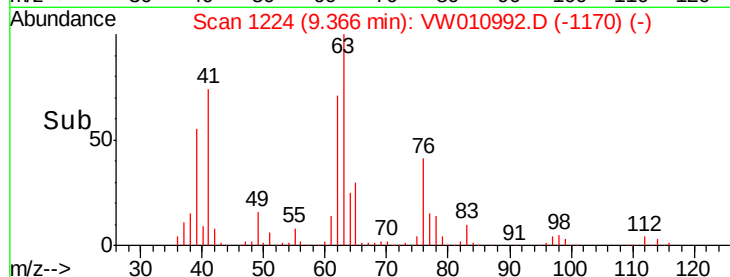
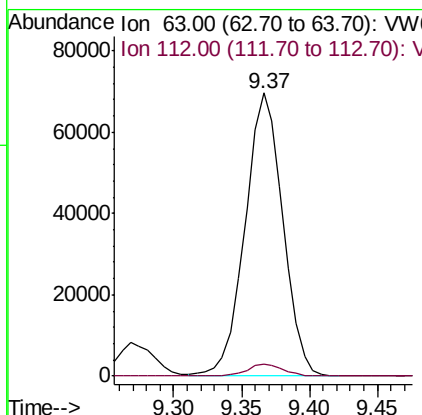
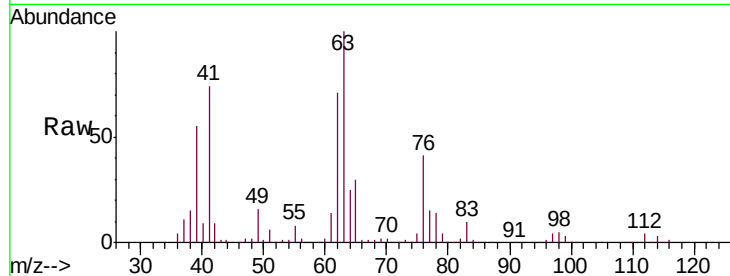




#40
 1,2-Dichloropropane
 Concen: 26.164 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

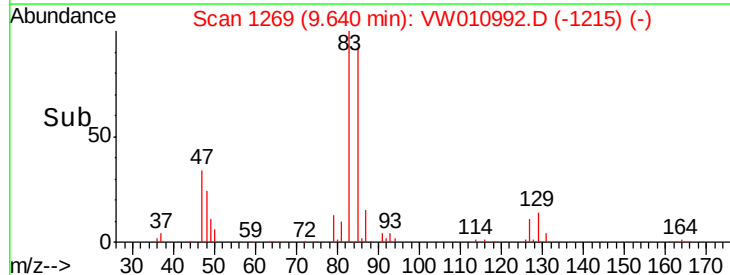
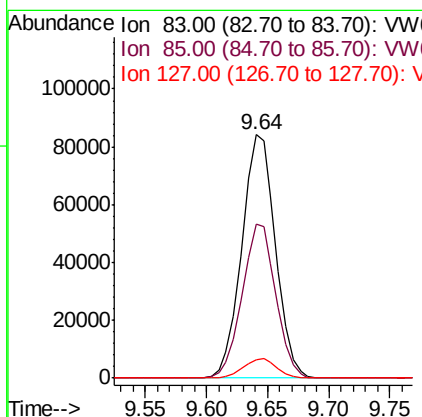
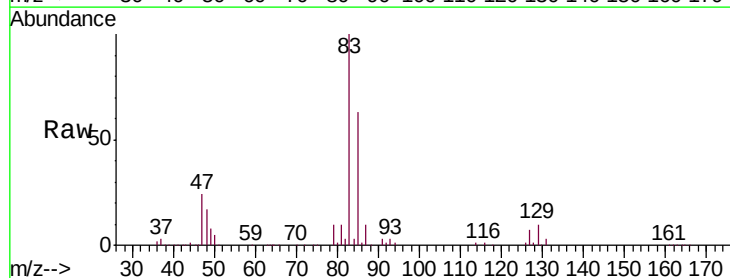
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

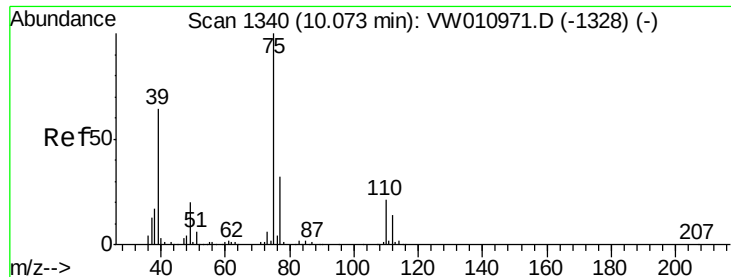
Tgt Ion: 63 Resp: 135190
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#41
 Bromodichloromethane
 Concen: 26.483 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Tgt Ion: 83 Resp: 160583
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.1 80.1
 127 7.4 6.0 9.0

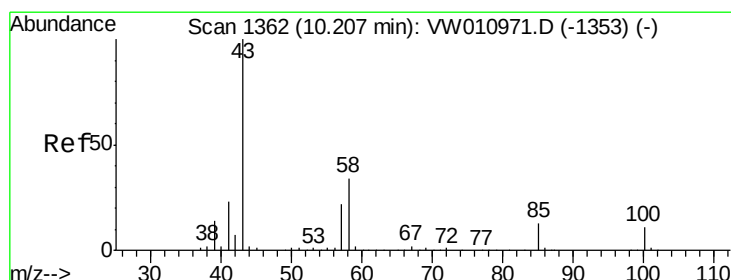
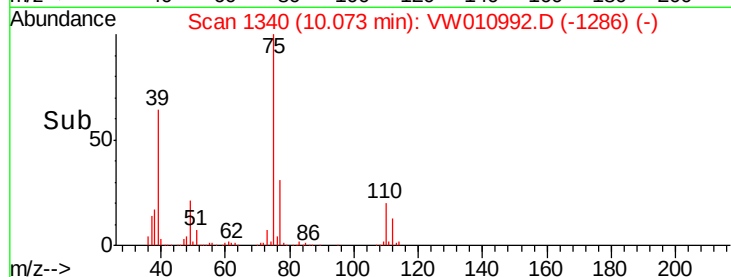
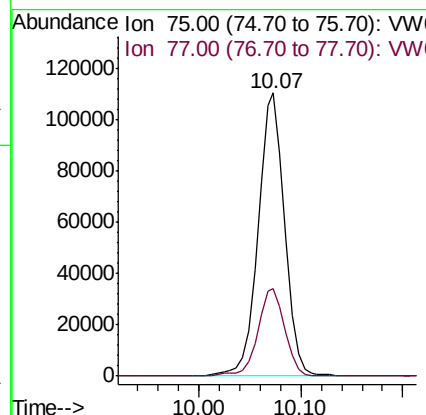
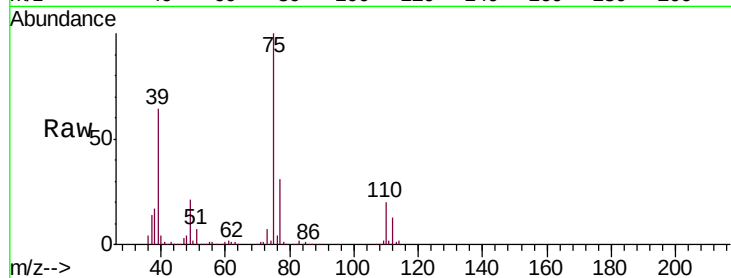




#42
 cis-1,3-Dichloropropene
 Concen: 25.174 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

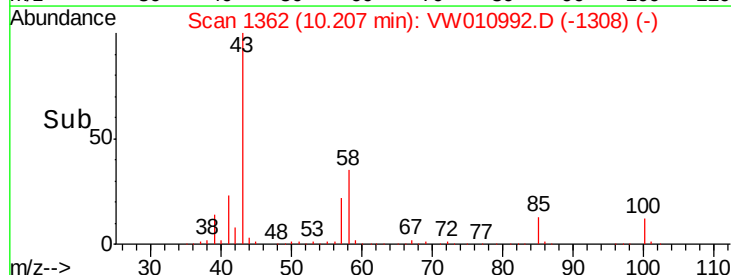
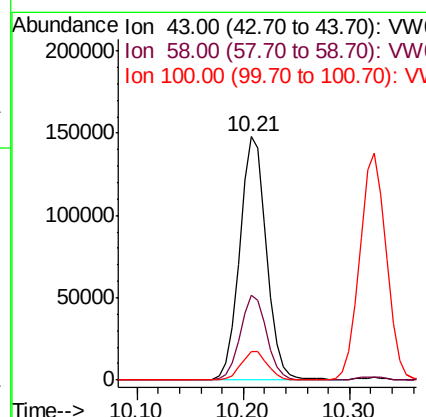
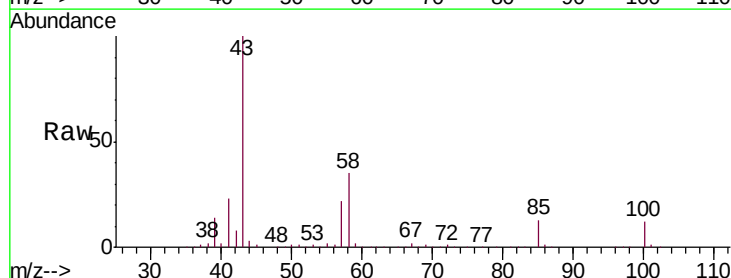
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02508

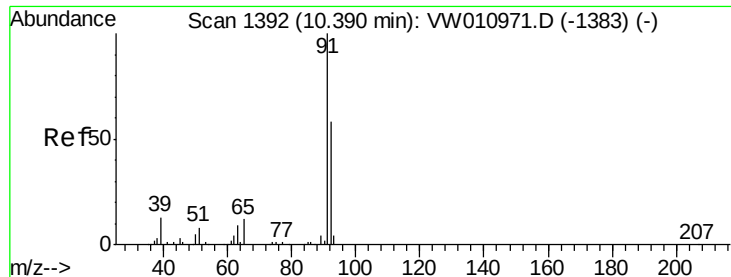
Tgt Ion: 75 Resp: 200098
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 54.065 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Tgt Ion: 43 Resp: 259239
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.5 41.3
 100 11.9 9.6 14.4





#44

Toluene

Concen: 25.625 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

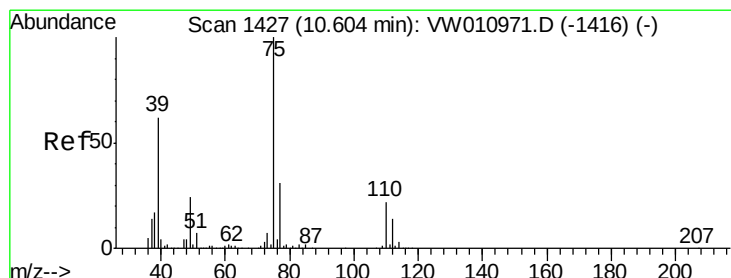
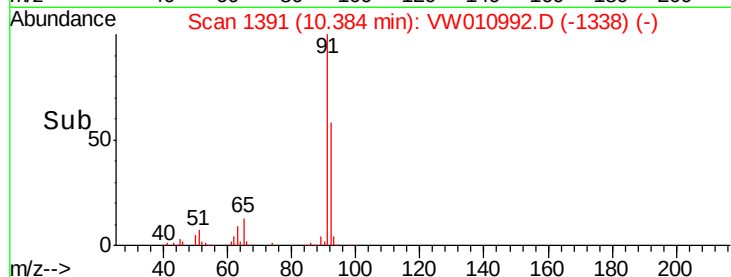
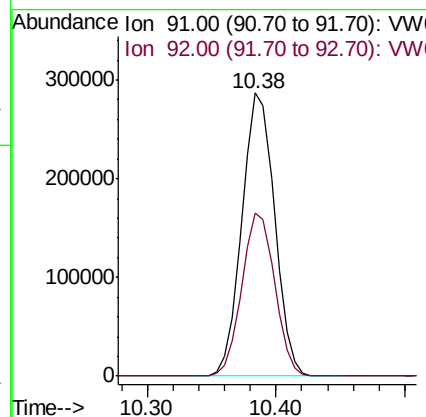
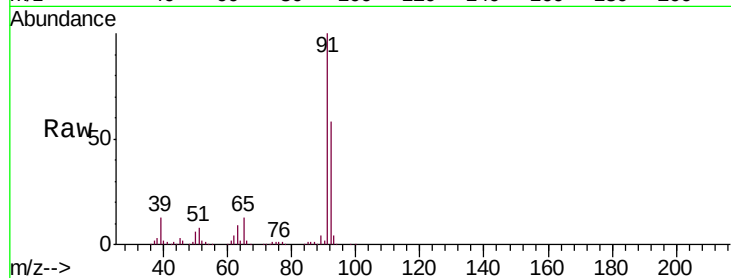
VSTD02508

Tgt Ion: 91 Resp: 503012

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.143 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010992.D

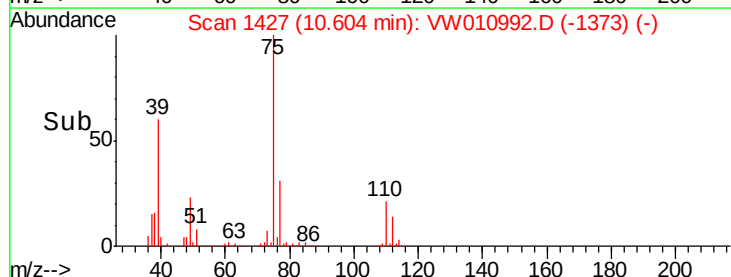
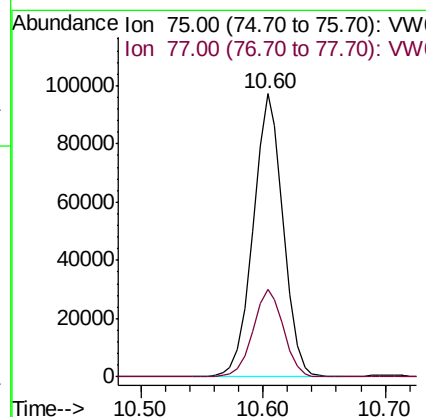
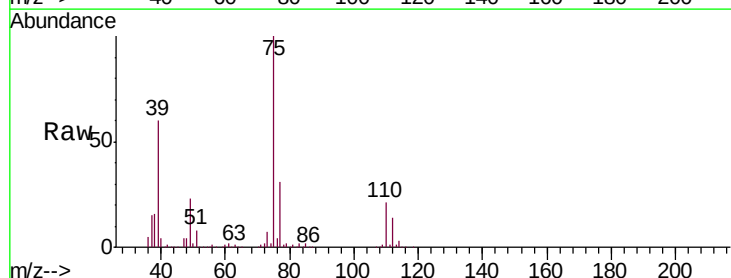
Acq: 26 Jun 2019 03:33

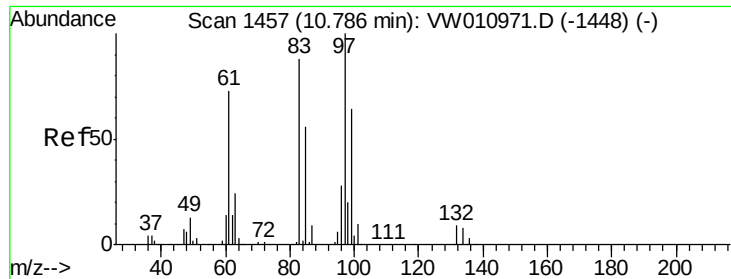
Tgt Ion: 75 Resp: 165202

Ion Ratio Lower Upper

75 100

77 30.9 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 27.102 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

Tgt Ion: 97 Resp: 95973

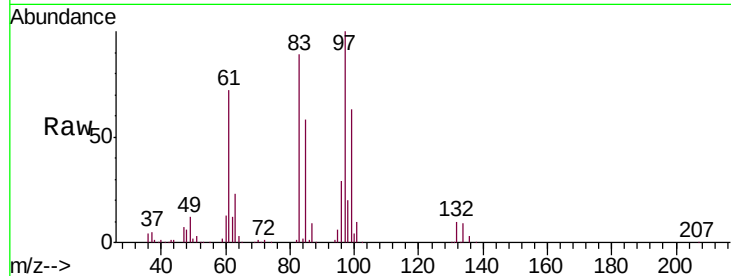
Ion Ratio Lower Upper

97 100

83 88.5 61.8 114.8

85 57.7 38.6 71.6

99 62.9 43.3 80.3



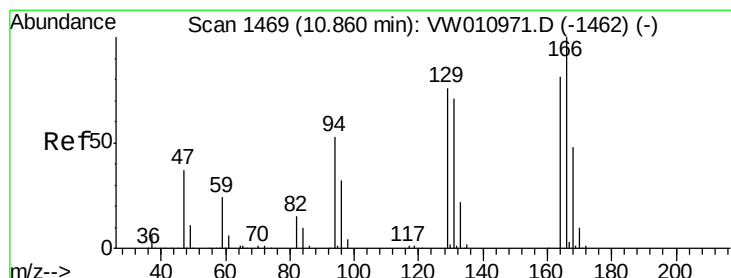
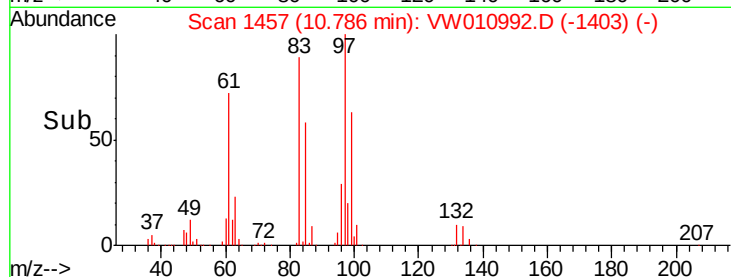
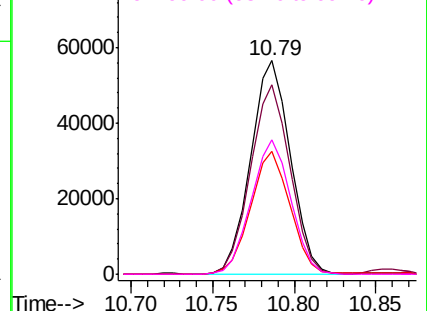
Abundance

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: 23.831 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Tgt Ion: 164 Resp: 86040

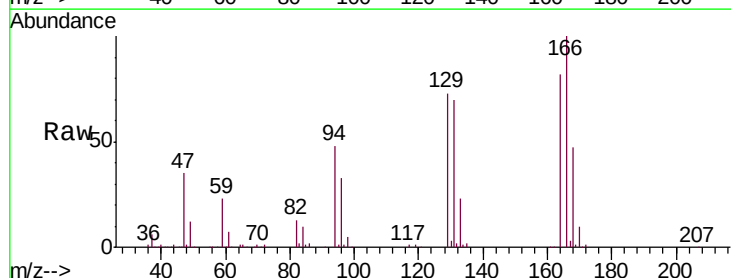
Ion Ratio Lower Upper

164 100

129 90.1 69.6 129.2

131 86.3 66.8 124.0

166 122.6 91.2 169.4



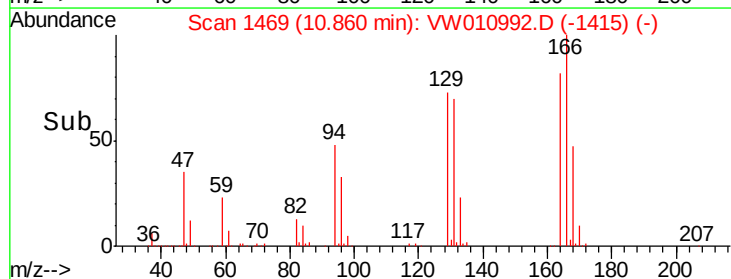
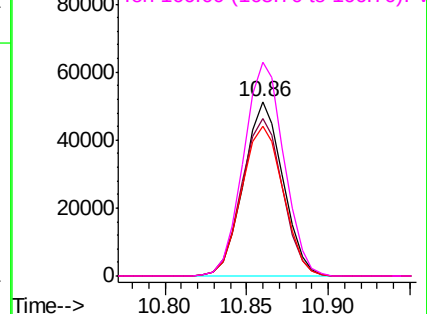
Abundance

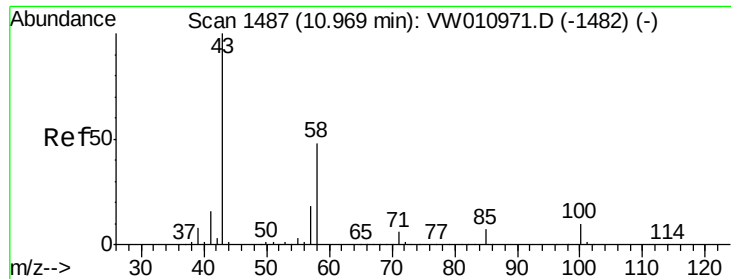
Ion 164.00 (163.70 to 164.70): V

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: 54.425 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleID :

VSTD02508

Tgt Ion: 43 Resp: 185661

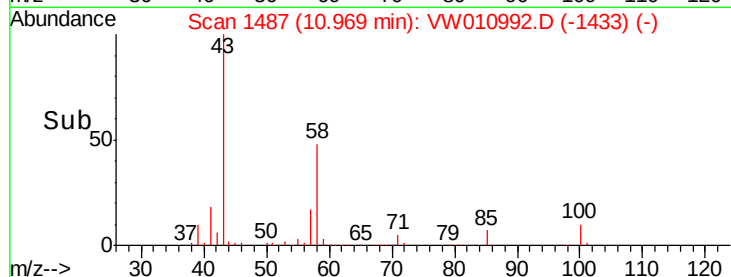
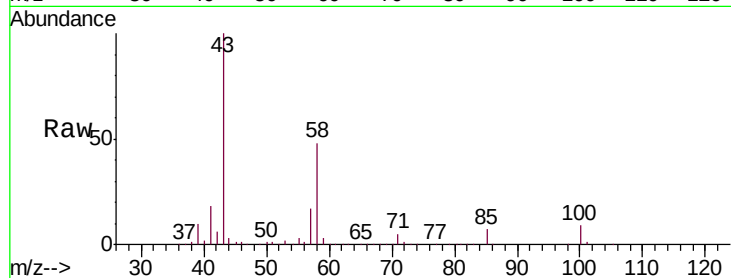
Ion Ratio Lower Upper

43 100

58 47.9 38.3 57.5

57 16.8 13.8 20.8

100 8.9 7.3 10.9

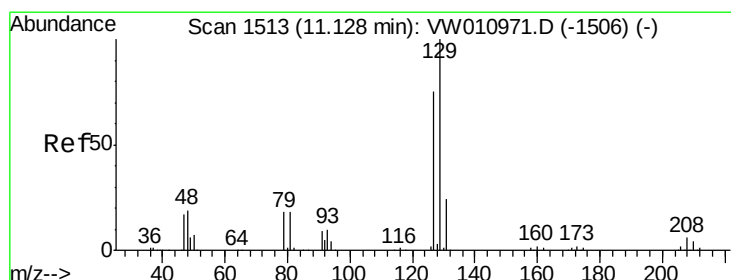
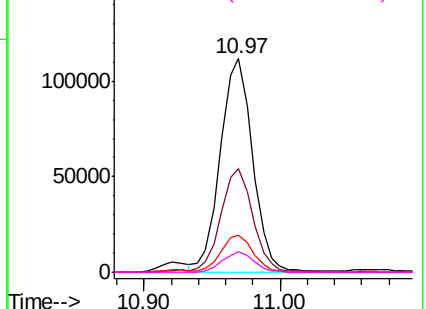


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.573 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010992.D

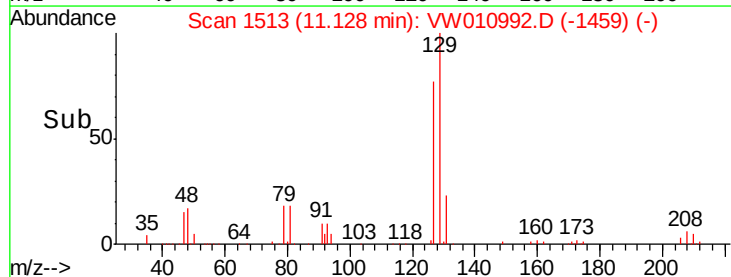
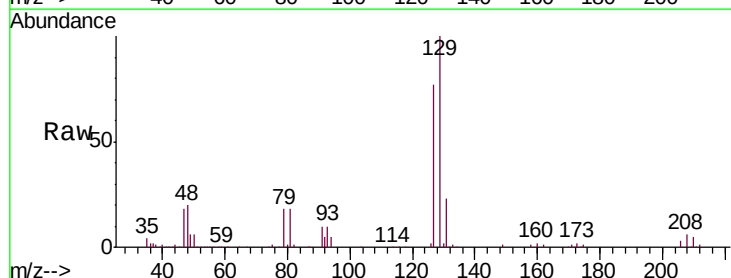
Acq: 26 Jun 2019 03:33

Tgt Ion: 129 Resp: 103613

Ion Ratio Lower Upper

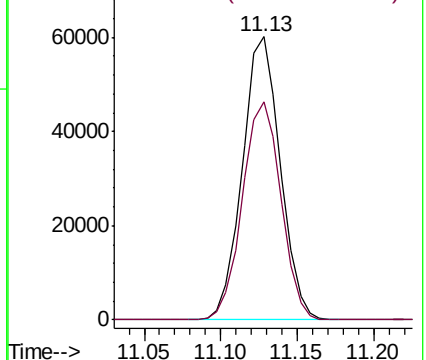
129 100

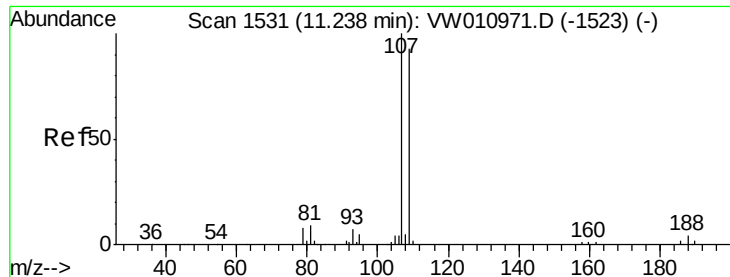
127 77.2 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 27.557 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

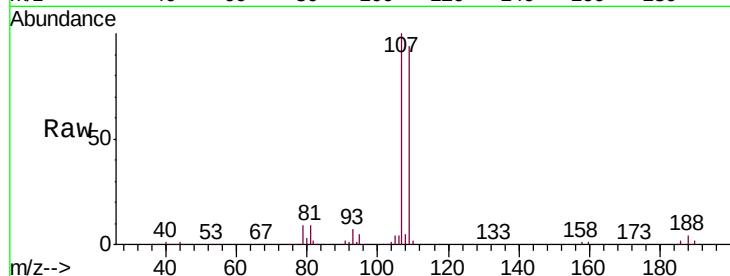
Tgt Ion:107 Resp: 94369

Ion Ratio Lower Upper

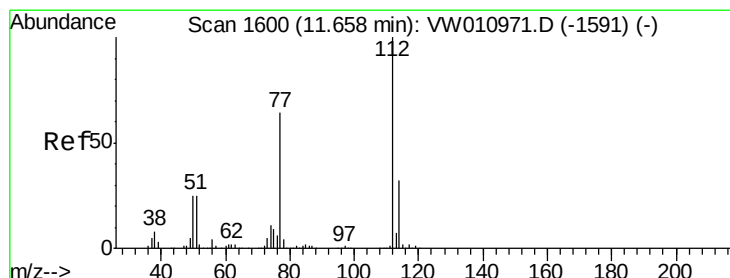
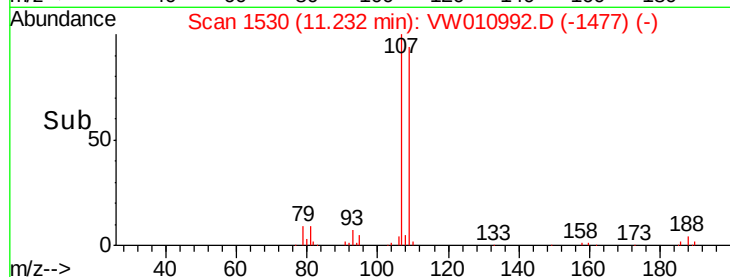
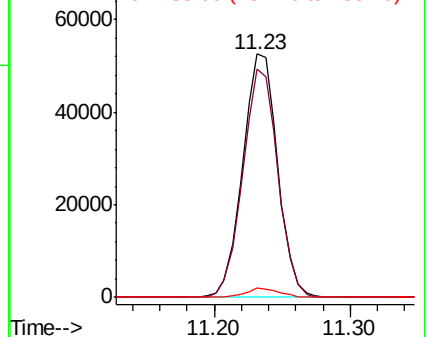
107 100

109 93.7 65.5 121.7

188 3.7 3.3 4.9



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: 26.467 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

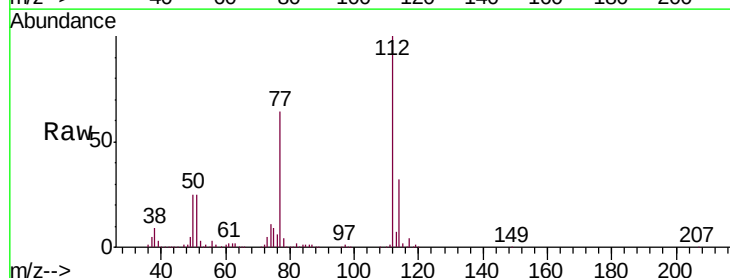
Tgt Ion:112 Resp: 312637

Ion Ratio Lower Upper

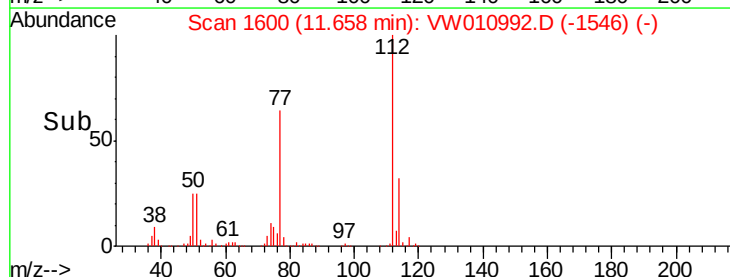
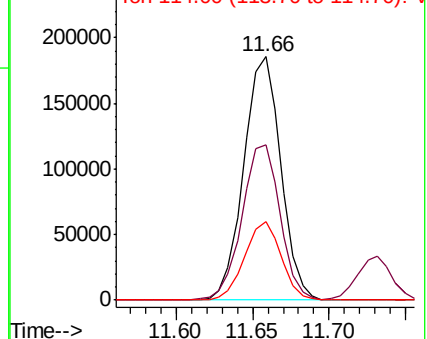
112 100

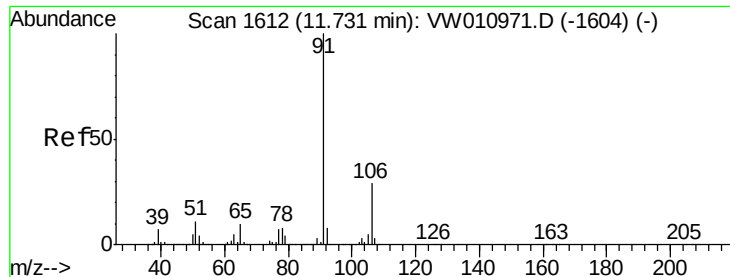
77 63.9 51.1 76.7

114 32.4 22.7 42.1



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: 25.653 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

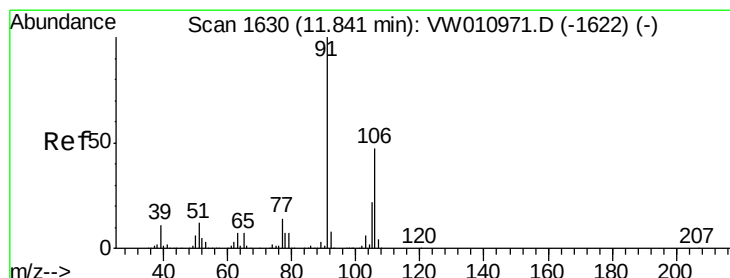
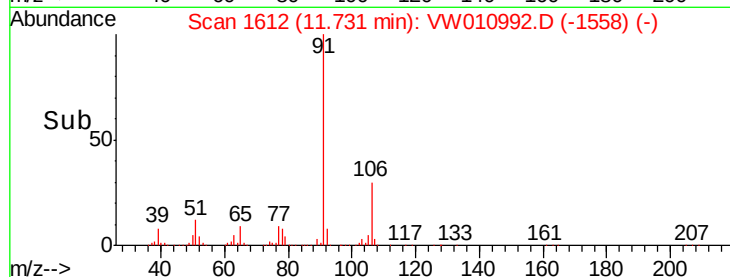
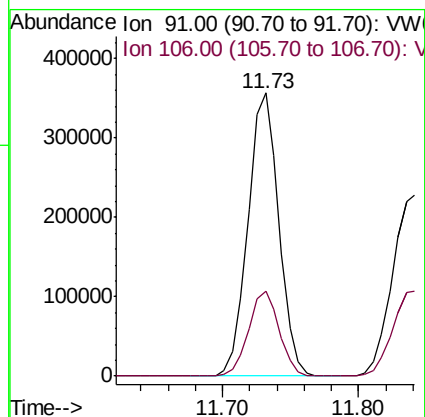
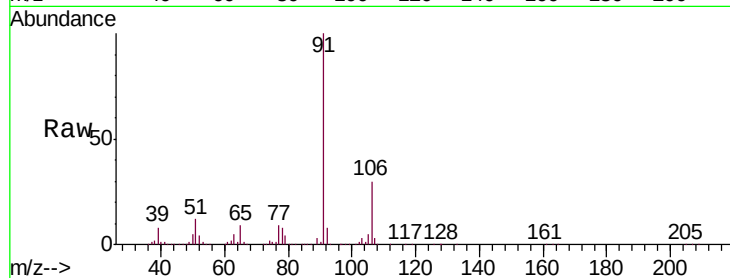
VSTD02508

Tgt Ion: 91 Resp: 567331

Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.7



#54

m,p-Xylene

Concen: 25.608 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010992.D

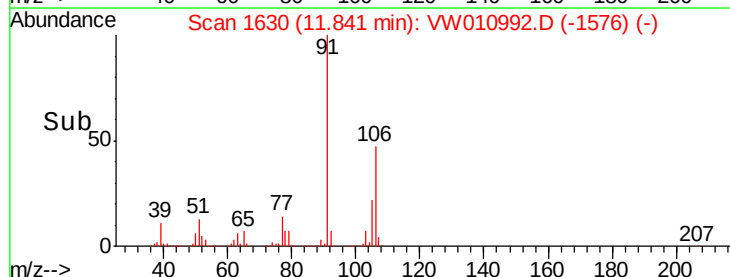
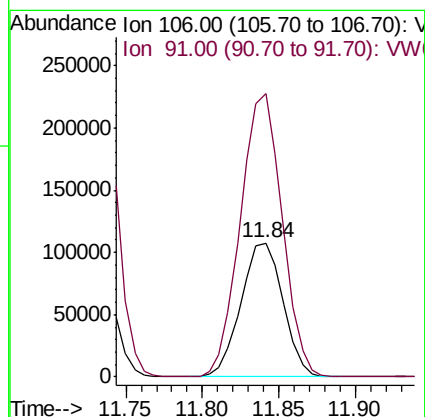
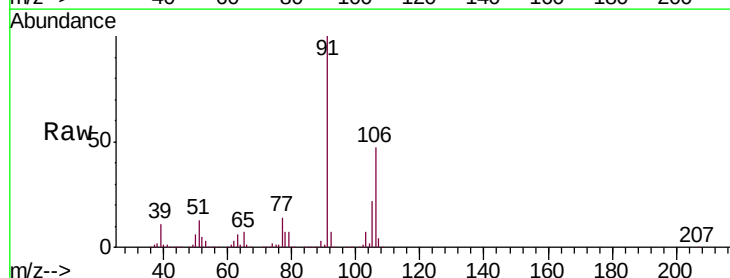
Acq: 26 Jun 2019 03:33

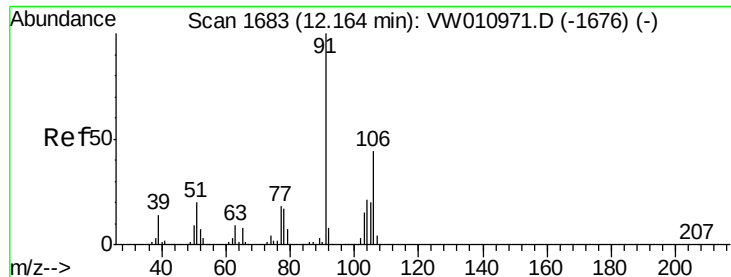
Tgt Ion: 106 Resp: 205509

Ion Ratio Lower Upper

106 100

91 211.1 146.5 272.1





#55

o-xylene

Concen: 26.240 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampled :

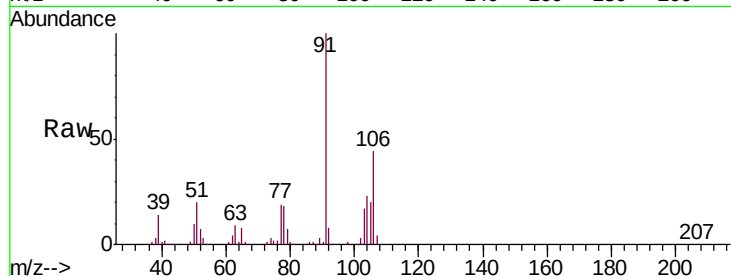
VSTD02508

Tgt Ion:106 Resp: 202067

Ion Ratio Lower Upper

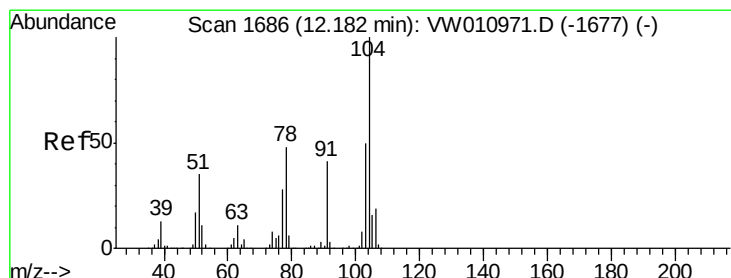
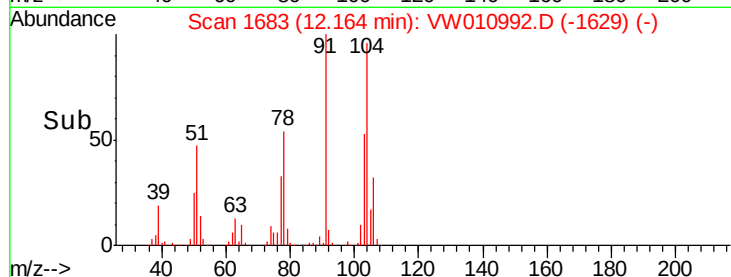
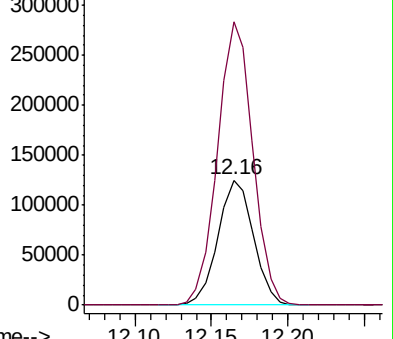
106 100

91 226.5 156.1 289.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.747 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010992.D

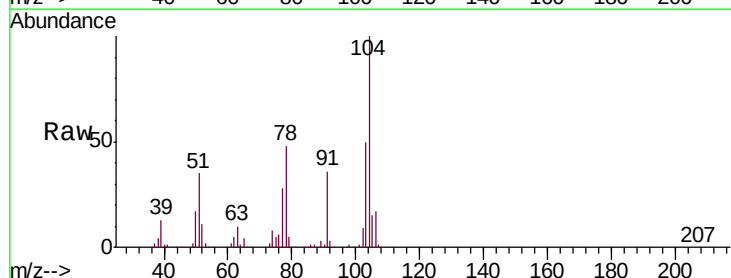
Acq: 26 Jun 2019 03:33

Tgt Ion:104 Resp: 355187

Ion Ratio Lower Upper

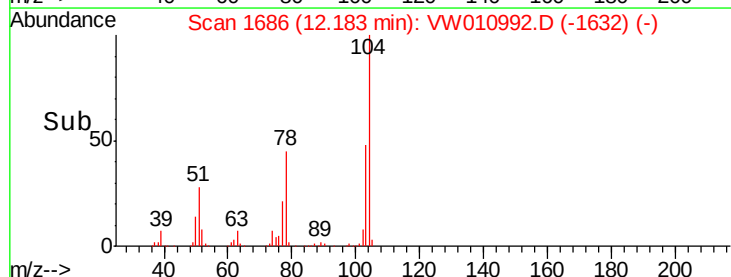
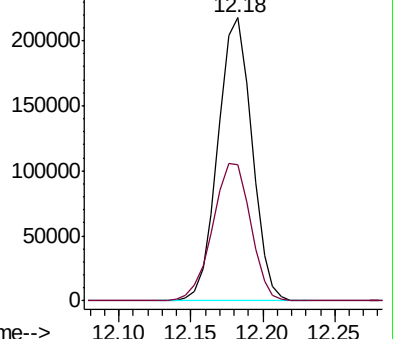
104 100

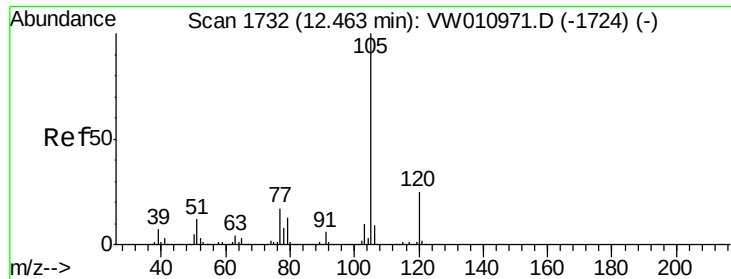
78 48.1 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.393 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

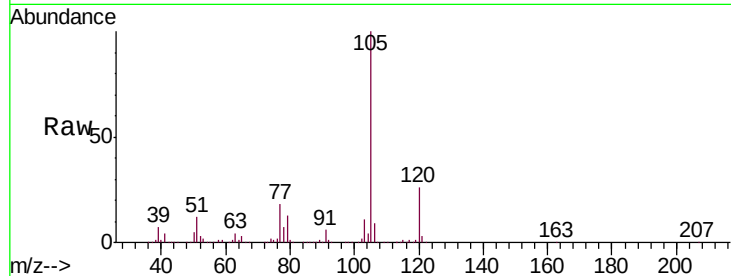
Tgt Ion: 105 Resp: 530515

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

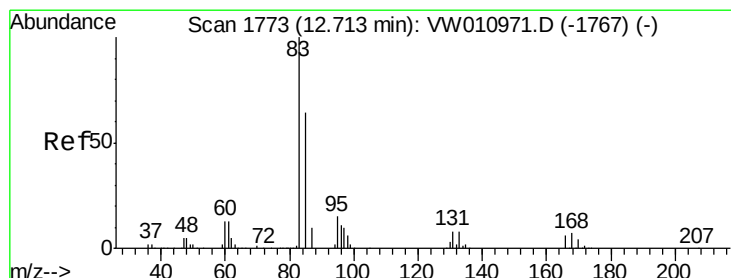
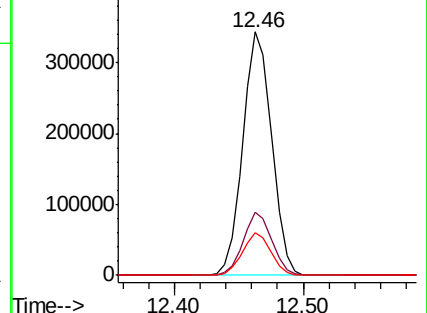
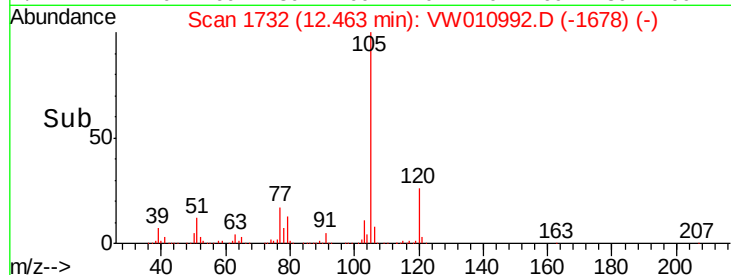
77 17.3 13.7 20.5



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: 27.760 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

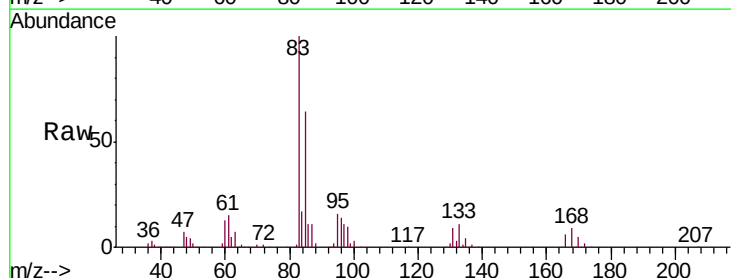
Tgt Ion: 83 Resp: 128533

Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

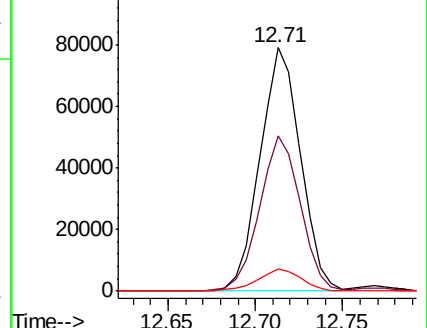
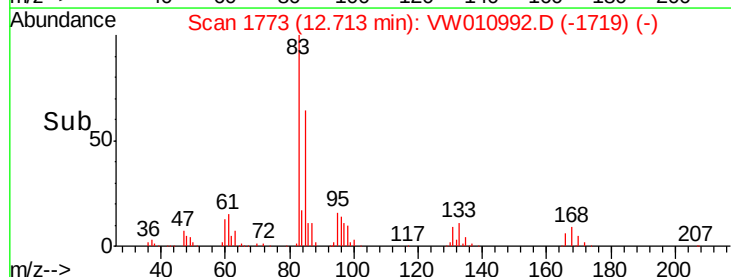
131 9.3 7.4 11.0

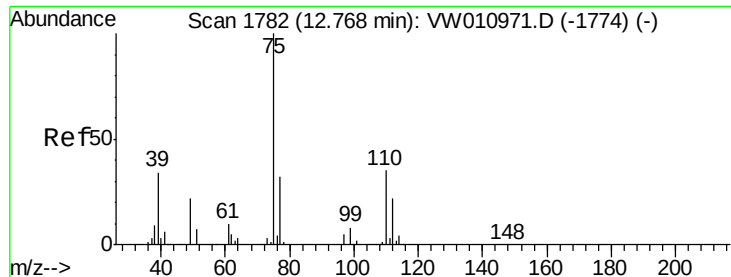


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.222 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

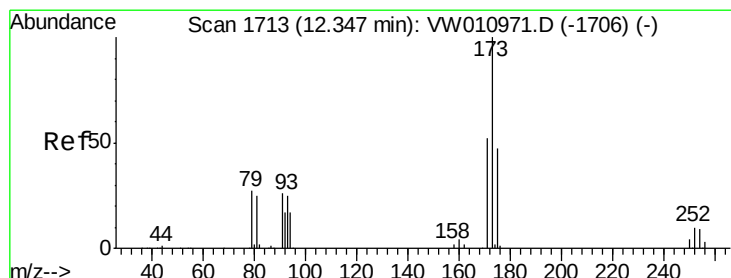
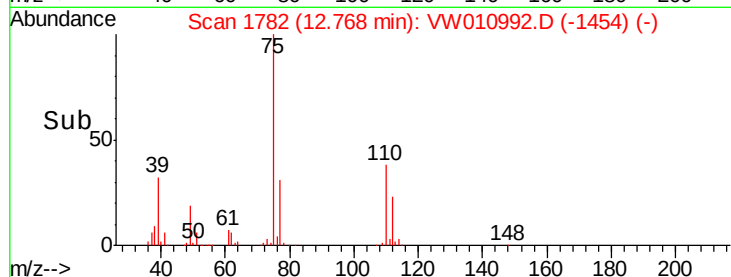
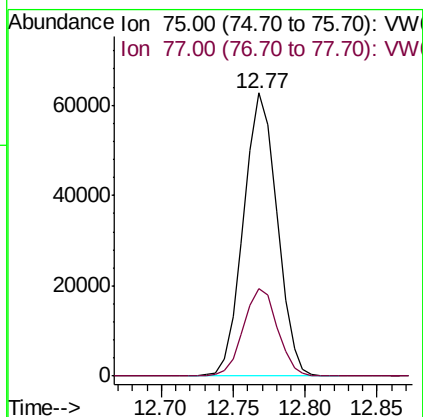
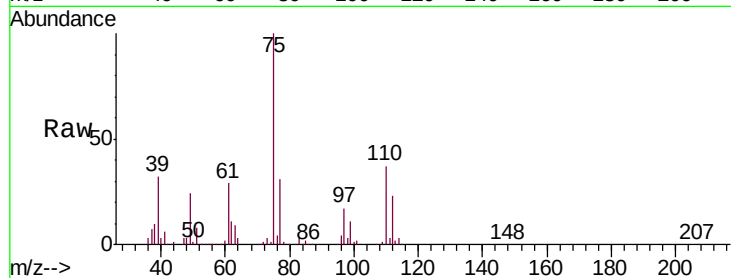
VSTD02508

Tgt Ion: 75 Resp: 101459

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



#62

Bromoform

Concen: 26.616 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

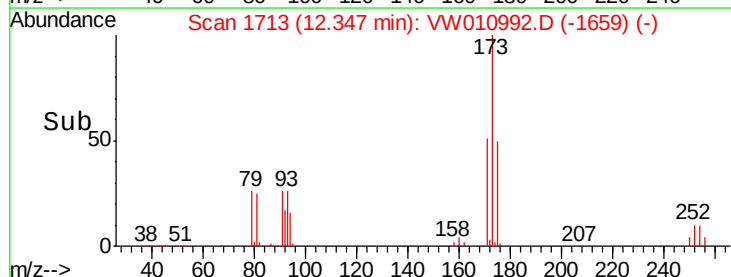
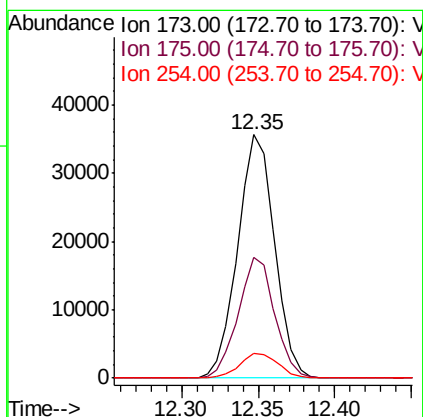
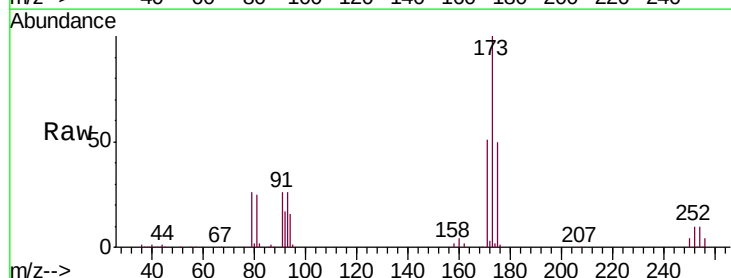
Tgt Ion: 173 Resp: 59788

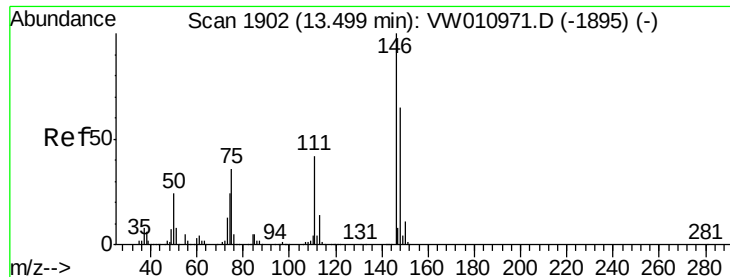
Ion Ratio Lower Upper

173 100

175 49.0 40.1 60.1

254 10.6 8.5 12.7

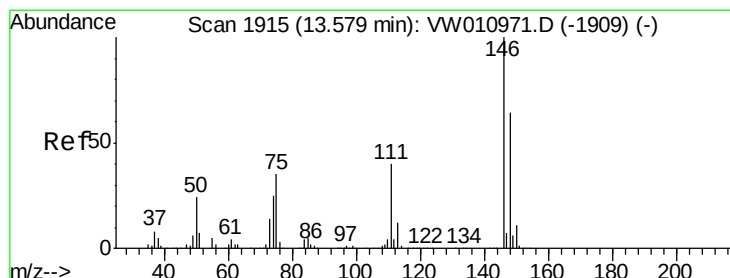
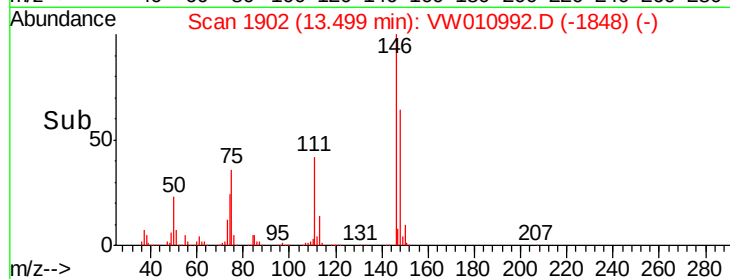
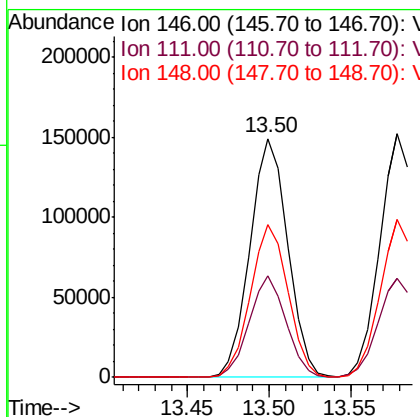
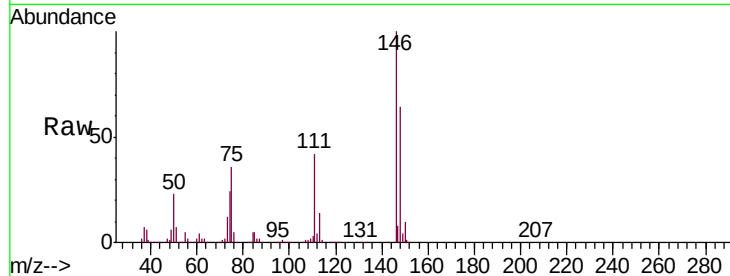




#63
 1,3-Dichlorobenzene
 Concen: 26.322 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

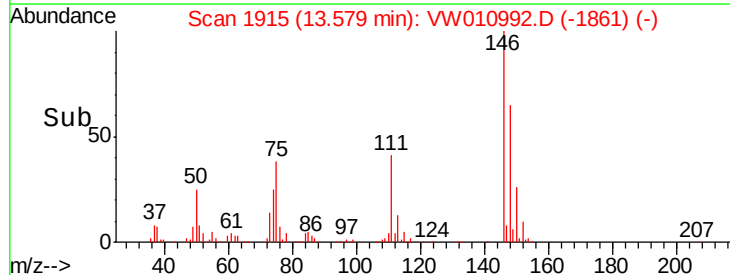
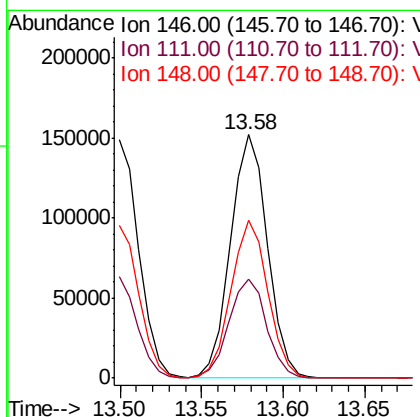
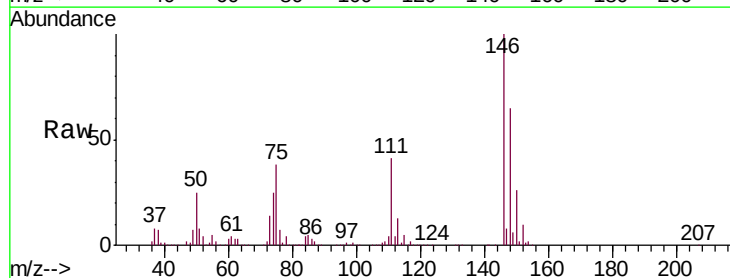
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

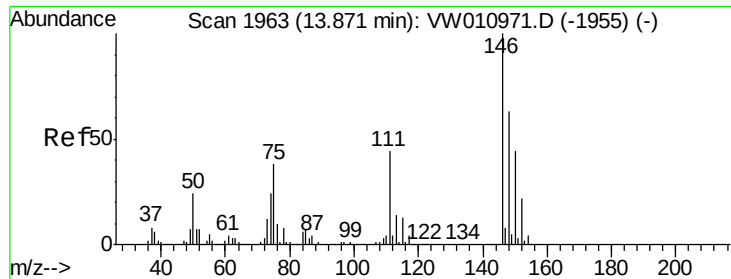
Tgt Ion:146 Resp: 240501
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.9 53.7
 148 64.1 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 26.113 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Tgt Ion:146 Resp: 239662
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.9 51.9
 148 64.9 46.0 85.4

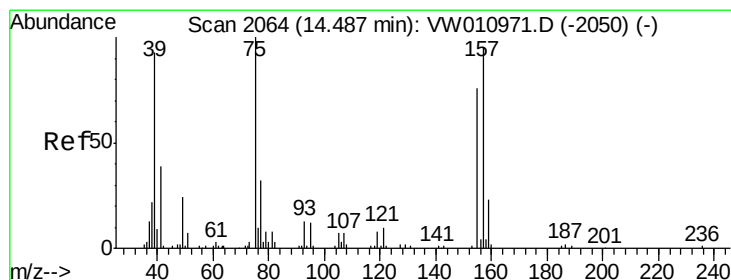
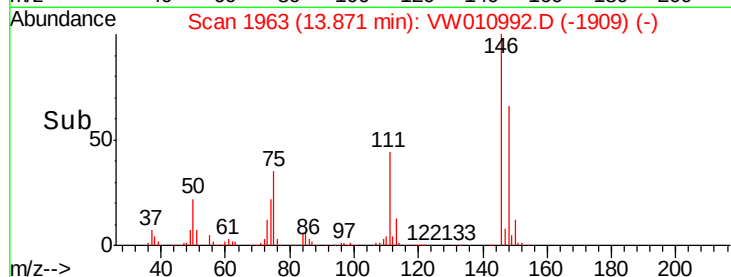
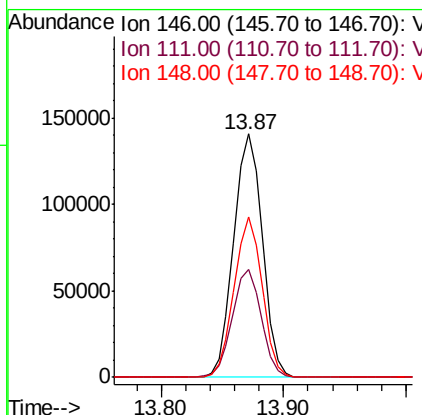
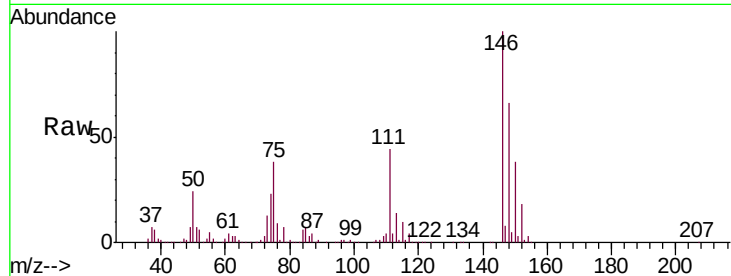




#65
 1,2-Dichlorobenzene
 Concen: 27.015 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

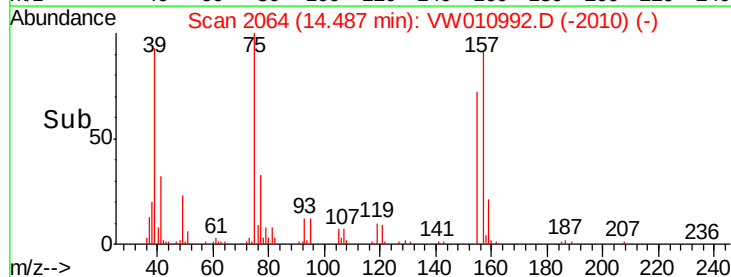
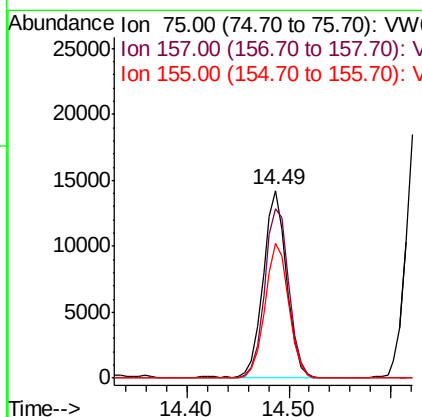
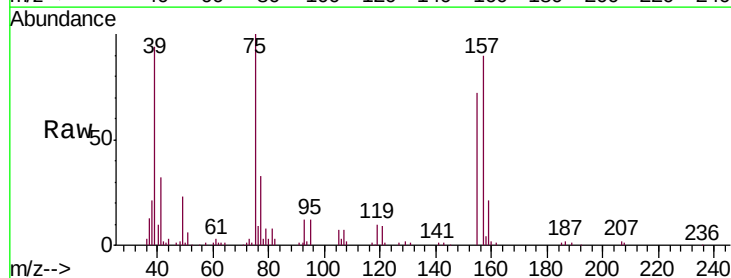
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

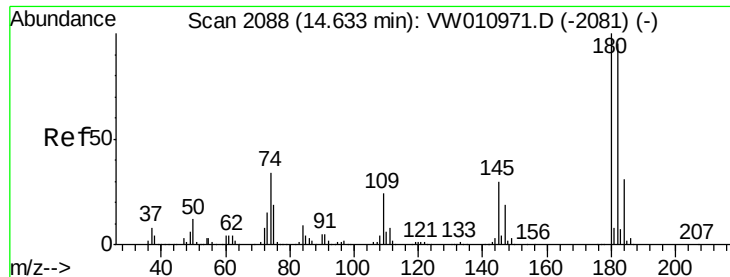
Tgt Ion: 146 Resp: 228290
 Ion Ratio Lower Upper
 146 100
 111 44.3 34.6 51.8
 148 65.8 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.443 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Tgt Ion: 75 Resp: 22865
 Ion Ratio Lower Upper
 75 100
 157 90.4 71.8 107.8
 155 71.7 55.2 82.8

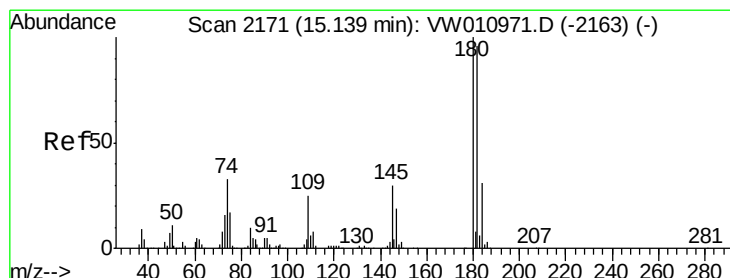
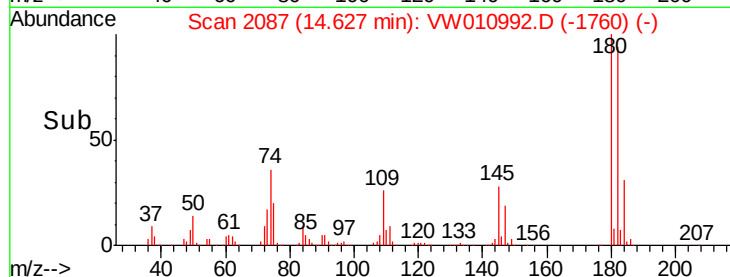
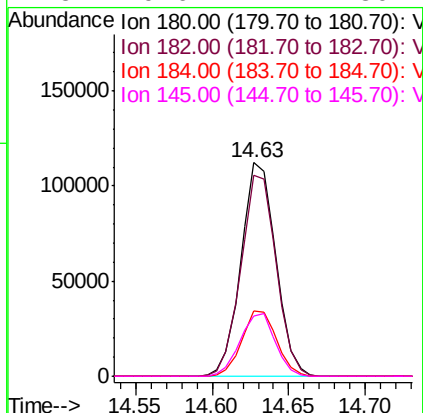
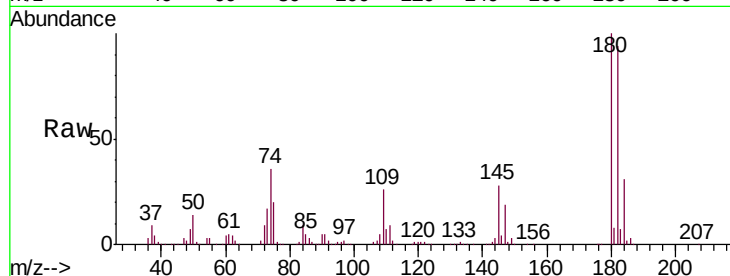




#67
 1,3,5-Trichlorobenzene
 Concen: 25.524 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

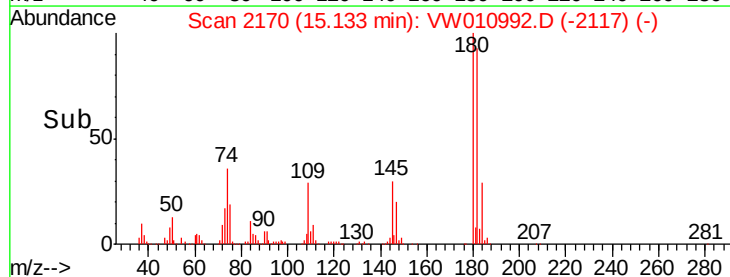
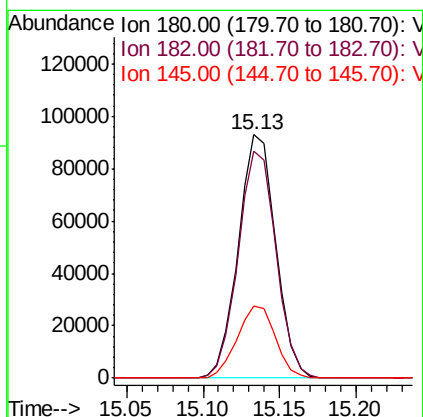
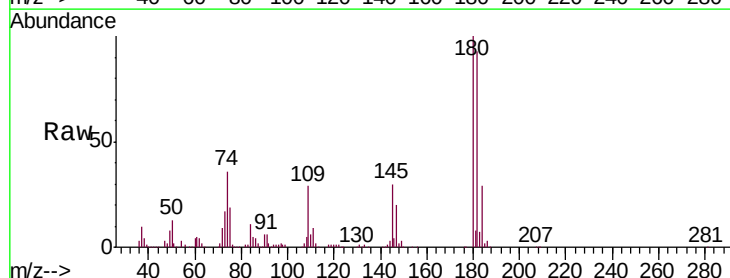
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

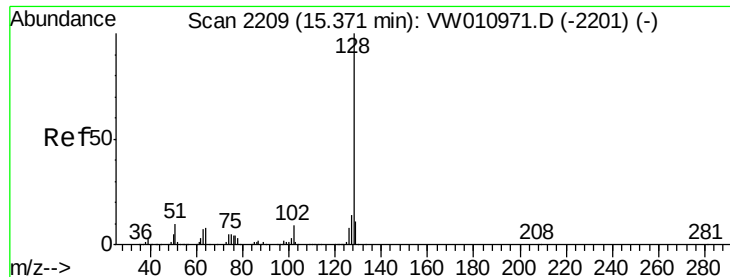
Tgt Ion:	180	Resp:	177501
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
184	30.8	24.3	36.5
145	29.6	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 26.772 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010992.D
 Acq: 26 Jun 2019 03:33

Tgt Ion:	180	Resp:	157793
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
145	30.4	24.2	36.4





#69

Naphthalene

Concen: 29.024 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

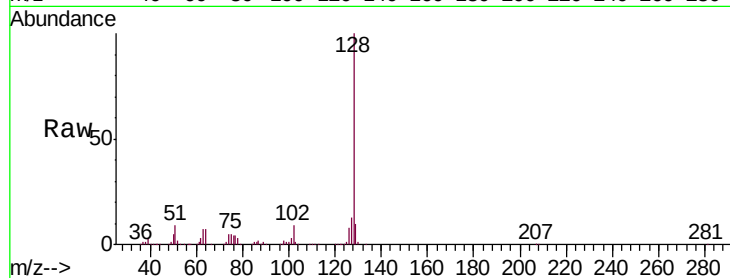
Tgt Ion:128 Resp: 365045

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

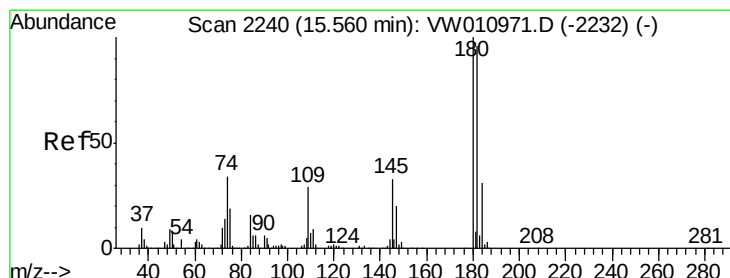
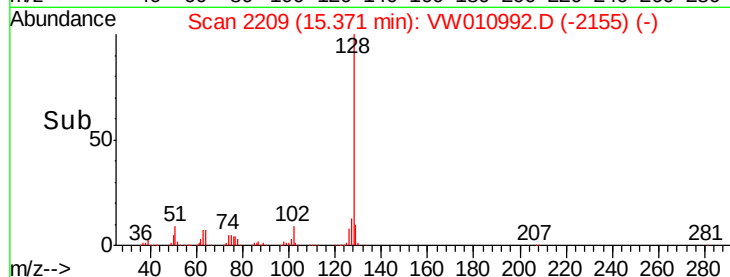
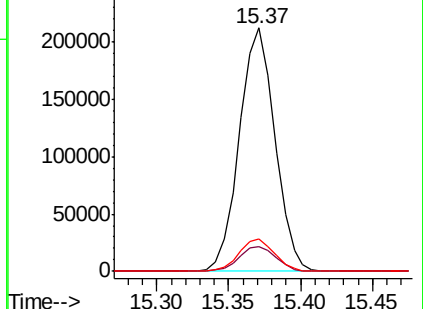
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.947 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010992.D

Acq: 26 Jun 2019 03:33

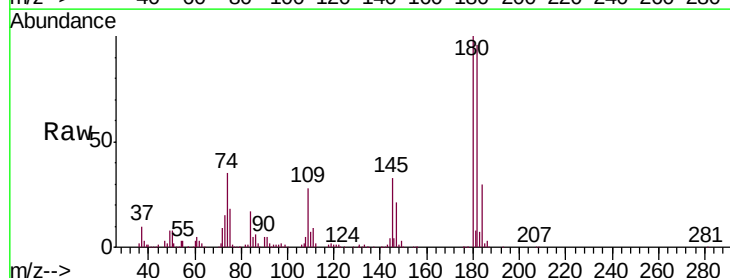
Tgt Ion:180 Resp: 149621

Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 31.4 25.6 38.4



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

