

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009454.D
 Acq On : 26 Mar 2019 03:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 09:07:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 09:00:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	394313	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	376689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190269	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95386	20.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.96%
7) Chloroethane-d5	2.89	69	112194	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.40%
10) 1,1-Dichloroethene-d2	4.02	63	229488	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.12%
20) 2-Butanone-d5	7.07	46	109883	56.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.78%
24) Chloroform-d	7.64	84	266391	24.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	8.31	65	165131	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
29) Benzene-d6	8.27	84	483769	23.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.16%
33) 1,2-Dichloropropane-d6	9.27	67	153332	24.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.28%
37) Toluene-d8	10.32	98	447828	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.24%
38) trans-1,3-Dichloropropene-	10.57	79	71743	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.56%
39) 2-Hexanone-d5	10.93	63	79720	52.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	169484	27.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	173764	23.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	106993	20.598	ug/L 97
3) Chloromethane	2.21	50	114321	20.744	ug/L 100
5) Vinyl chloride	2.37	62	151658	26.736	ug/L 97
6) Bromomethane	2.78	94	114353	24.062	ug/L 99
8) Chloroethane	2.92	64	112108	23.888	ug/L 97
9) Trichlorofluoromethane	3.25	101	86039	19.202	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	119923	23.175	ug/L 94
12) 1,1-Dichloroethene	4.04	96	117750	24.250	ug/L 89
13) Acetone	4.12	43	79475	49.732	ug/L 100
14) Carbon disulfide	4.38	76	327727	25.079	ug/L 97
15) Methyl Acetate	4.67	43	96461	30.726	ug/L 99
16) Methylene chloride	4.92	84	143210	24.905	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	182580	26.575	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	124283	24.345	ug/L 95
19) 1,1-Dichloroethane	6.21	63	246625	26.495	ug/L 98
21) 2-Butanone	7.17	43	117105	53.072	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	141715	25.625	ug/L 93

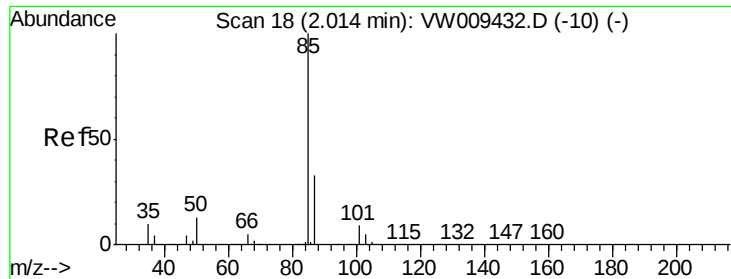
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
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 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 09:00:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68017	25.643	ug/L	94
25) Chloroform	7.67	83	257911	26.458	ug/L	99
27) 1,2-Dichloroethane	8.40	62	202735	27.895	ug/L	98
30) Cyclohexane	7.95	56	198351	23.186	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	196737	26.150	ug/L	99
32) Carbon tetrachloride	8.06	117	195256	25.723	ug/L	99
34) Benzene	8.32	78	540863	26.233	ug/L	100
35) Trichloroethene	9.09	95	139422	25.378	ug/L	98
36) Methylcyclohexane	9.34	83	222426	23.401	ug/L	99
40) 1,2-Dichloropropane	9.37	63	139358	26.340	ug/L	99
41) Bromodichloromethane	9.64	83	194561	26.541	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	211061	24.493	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	264145	55.097	ug/L	99
44) Toluene	10.38	91	583141	25.868	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	189310	25.255	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	113541	26.900	ug/L	98
47) Tetrachloroethene	10.86	164	110121	23.723	ug/L	98
49) 2-Hexanone	10.97	43	188089	55.704	ug/L	99
50) Dibromochloromethane	11.13	129	136008	26.103	ug/L	99
51) 1,2-Dibromoethane	11.23	107	114816	26.833	ug/L	92
52) Chlorobenzene	11.66	112	370338	25.614	ug/L	97
53) Ethylbenzene	11.73	91	655651	25.870	ug/L	99
54) m,p-Xylene	11.84	106	243865	25.327	ug/L	95
55) o-xylene	12.16	106	235581	25.079	ug/L	97
56) Styrene	12.18	104	418580	26.117	ug/L	96
57) Isopropylbenzene	12.46	105	643887	25.588	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	159469	28.005	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	119231	28.214	ug/L	99
62) Bromoform	12.35	173	90339	28.101	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	280002	24.692	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	297000	25.333	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	276183	25.539	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29803	28.120	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	202052	22.844	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	165968	22.339	ug/L	99
69) Naphthalene	15.37	128	398008	25.839	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	167641	24.091	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 20.598 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

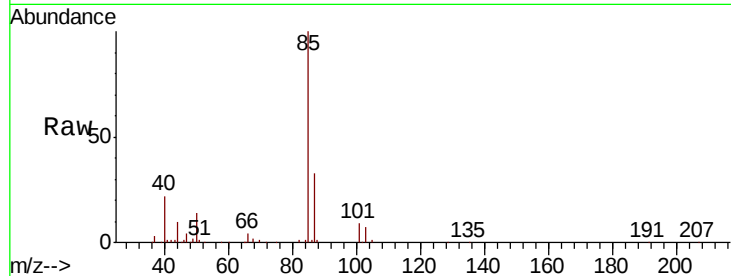
ClientSampleId :

Tot Ion: 85 Resp: 106993

Ion Ratio Lower Upper

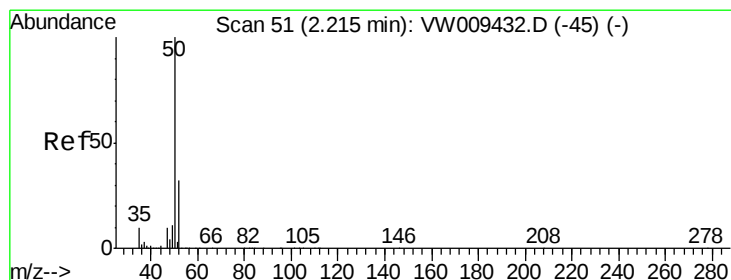
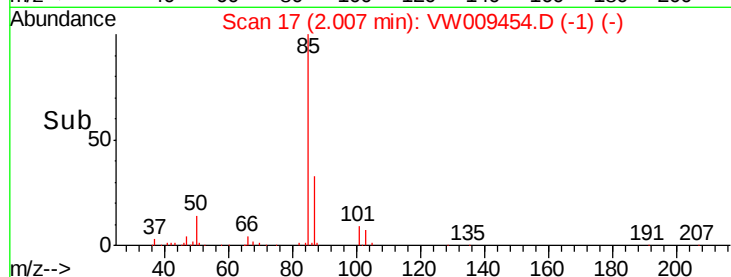
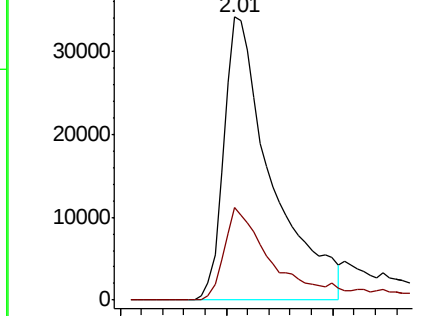
85 100

87 26.5 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.744 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009454.D

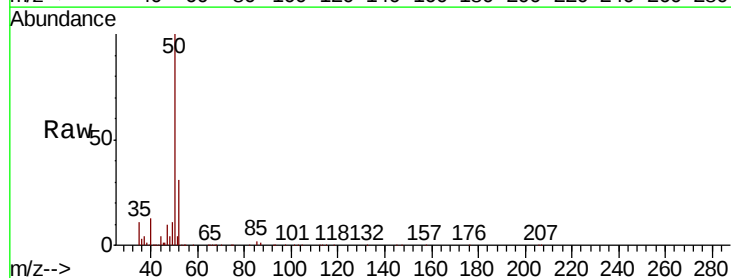
Acq: 26 Mar 2019 03:35

Tgt Ion: 50 Resp: 114321

Ion Ratio Lower Upper

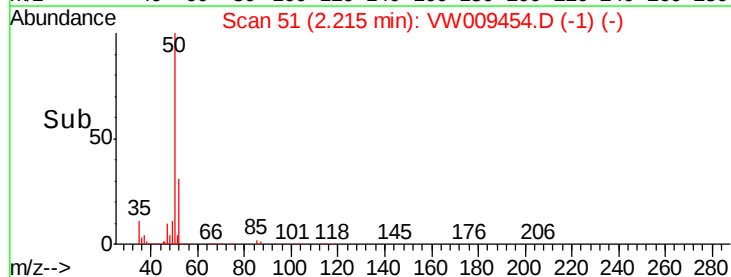
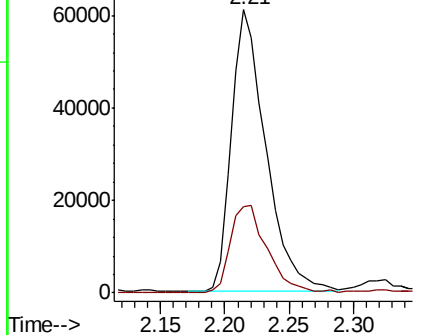
50 100

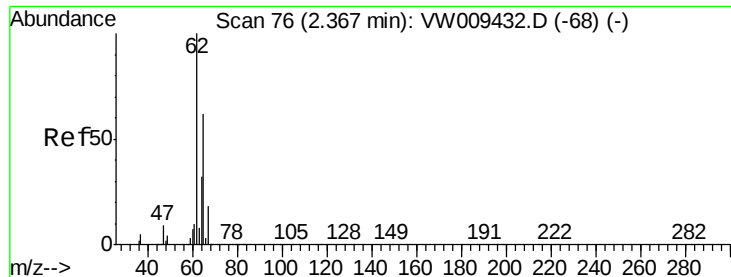
52 30.6 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.736 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

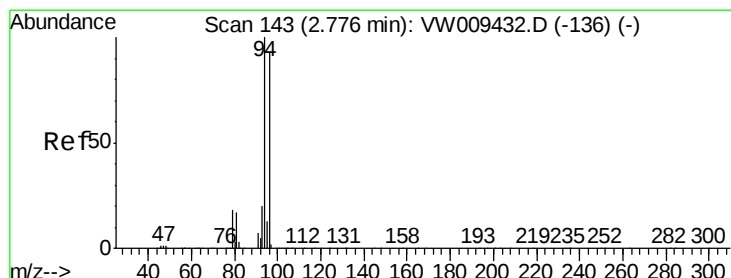
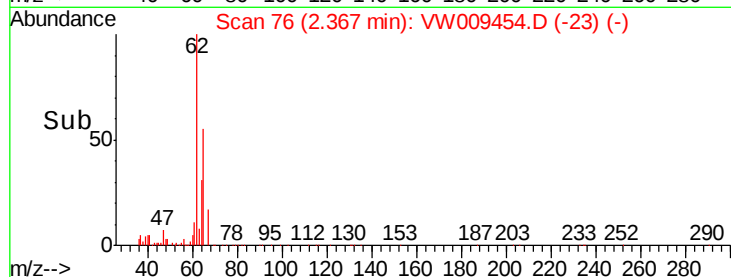
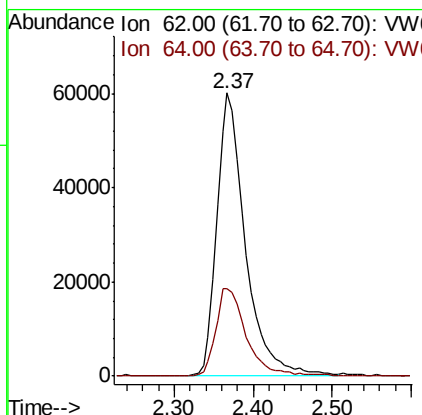
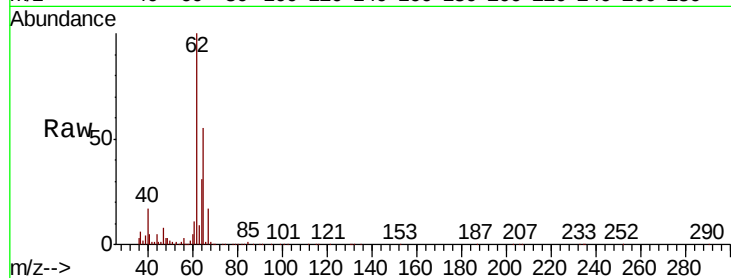
ClientSampleId :

Tot Ion: 62 Resp: 151658

Ion Ratio Lower Upper

62 100

64 31.0 23.0 42.6



#6

Bromomethane

Concen: 24.062 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009454.D

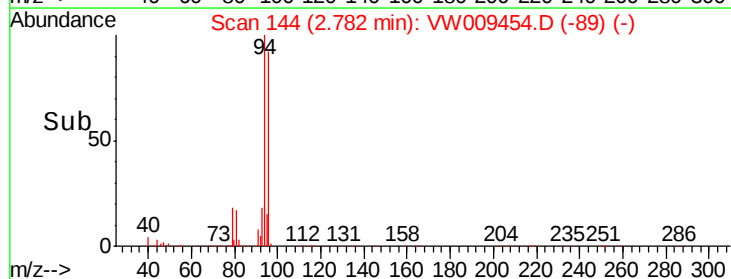
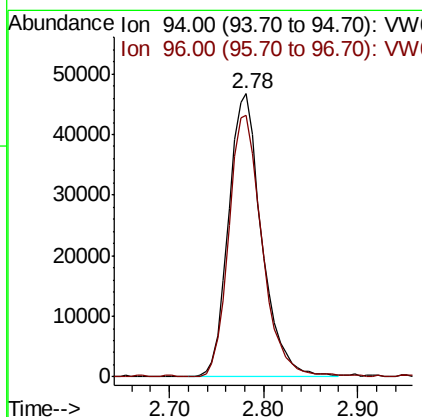
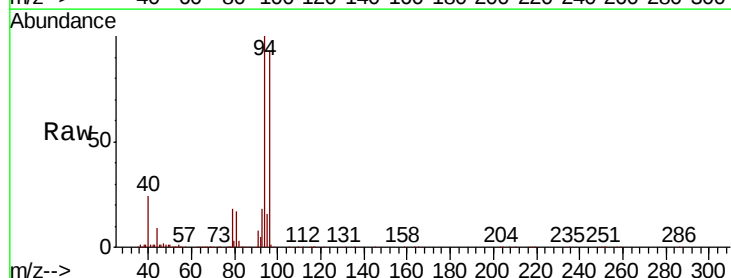
Acq: 26 Mar 2019 03:35

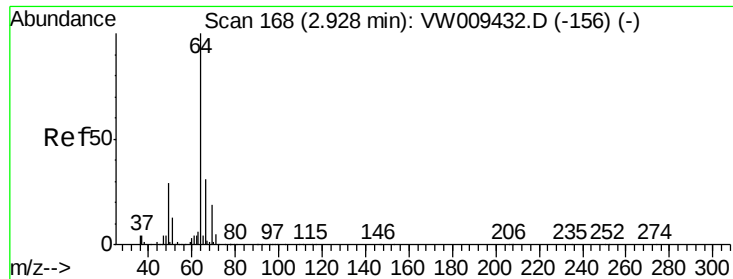
Tgt Ion: 94 Resp: 114353

Ion Ratio Lower Upper

94 100

96 92.7 9.4 178.4





#8

Chloroethane

Concen: 23.888 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

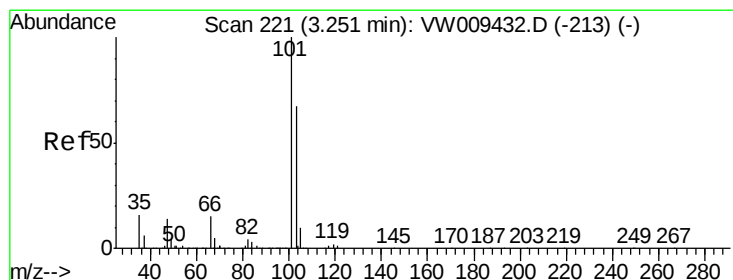
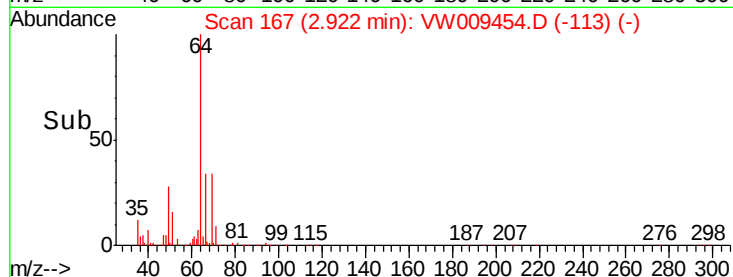
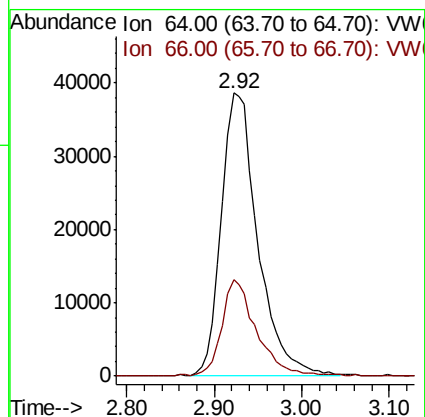
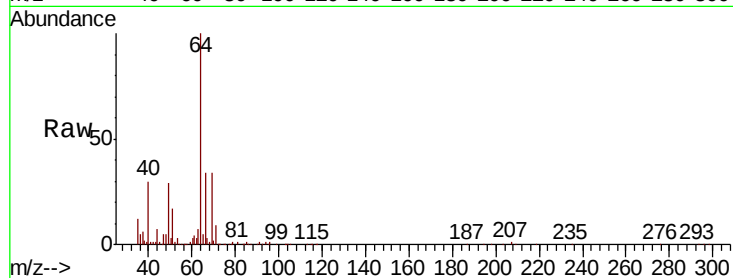
ClientSampleId :

Tot Ion: 64 Resp: 112108

Ion Ratio Lower Upper

64 100

66 34.1 25.1 46.7



#9

Trichlorofluoromethane

Concen: 19.202 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW009454.D

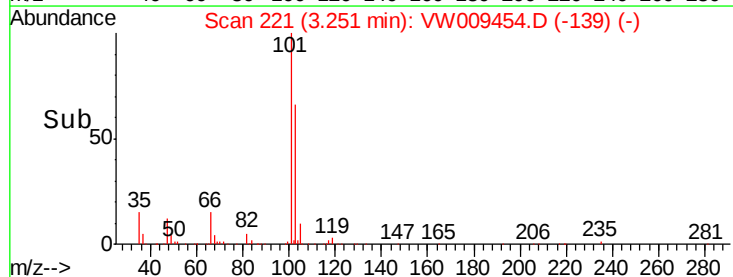
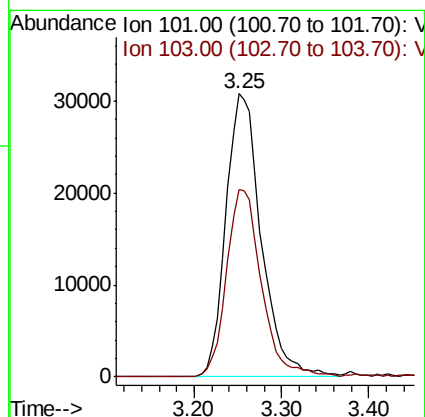
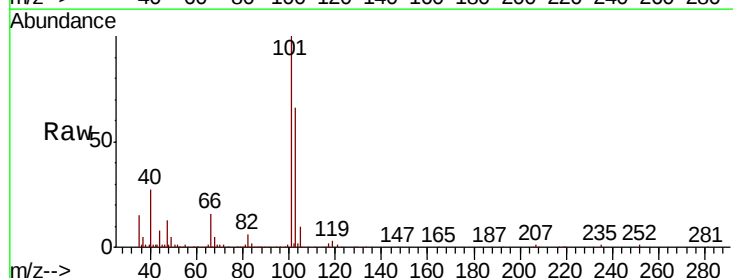
Acq: 26 Mar 2019 03:35

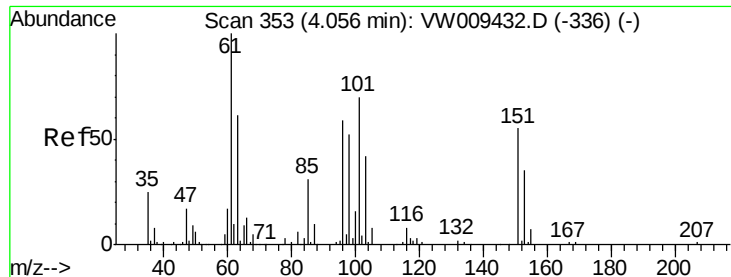
Tgt Ion: 101 Resp: 86039

Ion Ratio Lower Upper

101 100

103 64.6 45.0 83.6





#11

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

Concen: 23.175 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

ClientSampled :

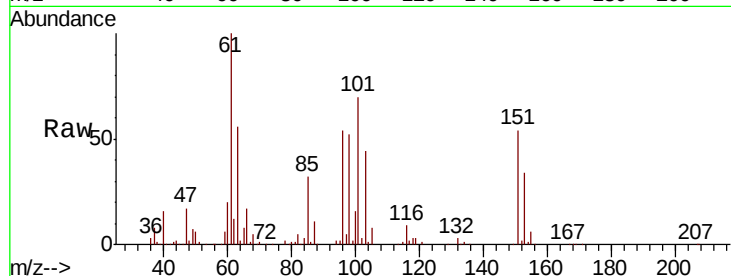
Tot Ion:101 Resp: 119923

Ion Ratio Lower Upper

101 100

85 48.2 32.6 48.8

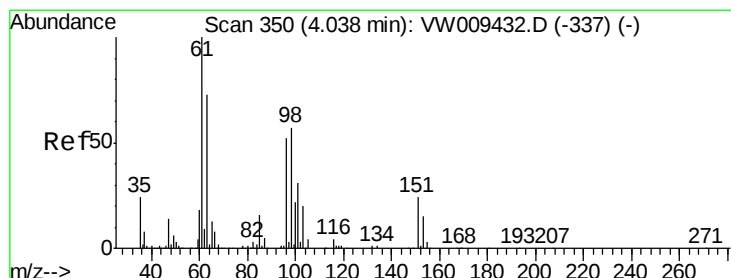
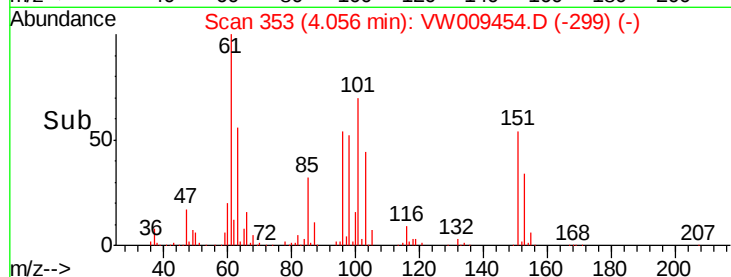
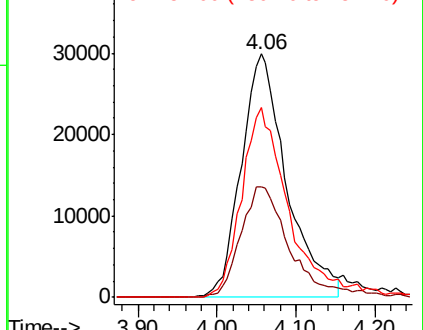
151 76.2 63.3 94.9



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: 24.250 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

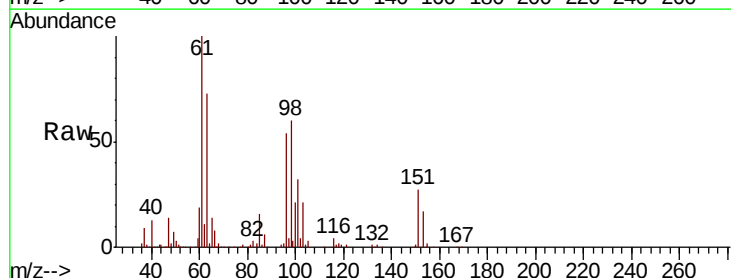
Tgt Ion: 96 Resp: 117750

Ion Ratio Lower Upper

96 100

61 184.7 129.4 240.2

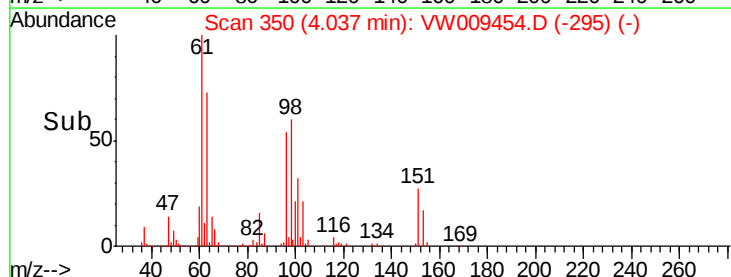
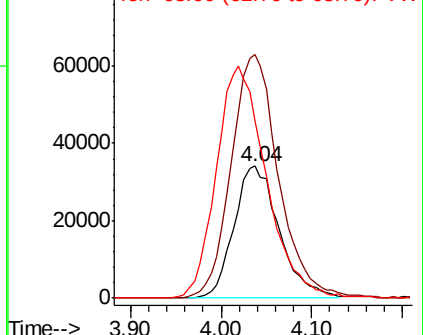
63 134.6 116.8 217.0

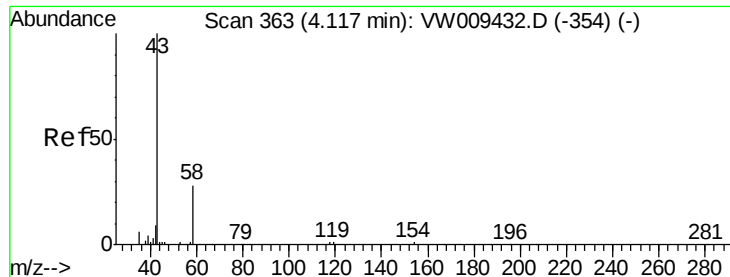


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.732 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

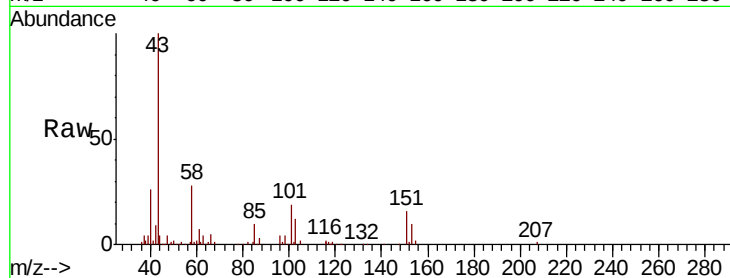
ClientSampleId :

Tot Ion: 43 Resp: 79475

Ion Ratio Lower Upper

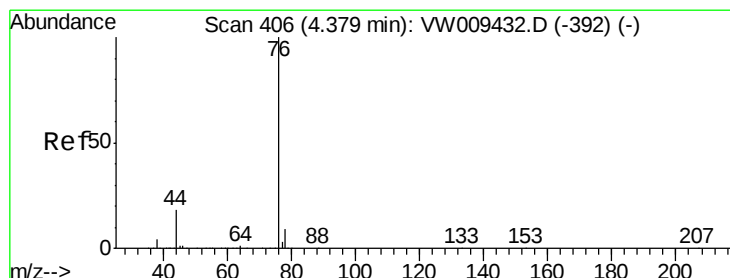
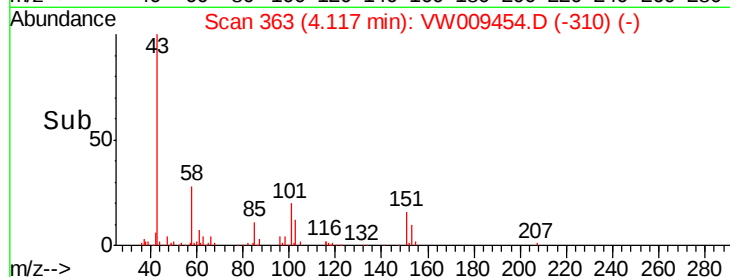
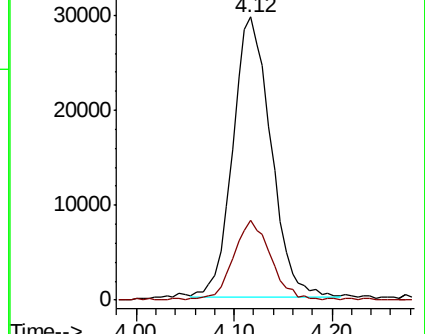
43 100

58 28.0 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.079 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009454.D

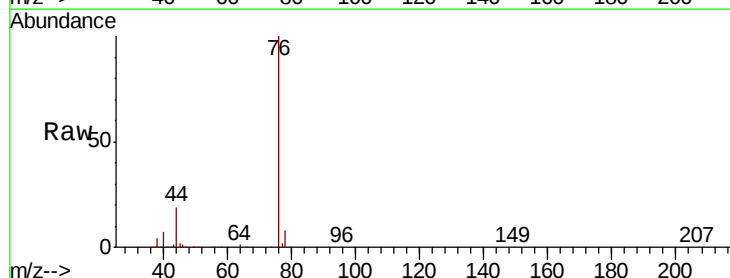
Acq: 26 Mar 2019 03:35

Tgt Ion: 76 Resp: 327727

Ion Ratio Lower Upper

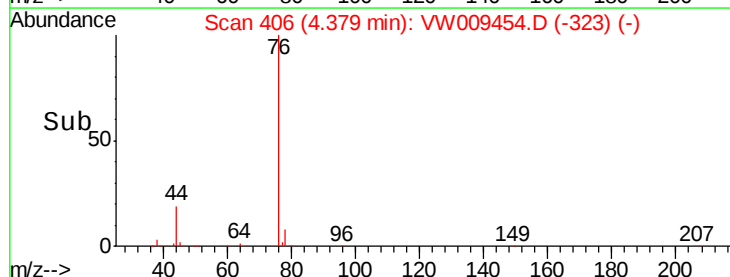
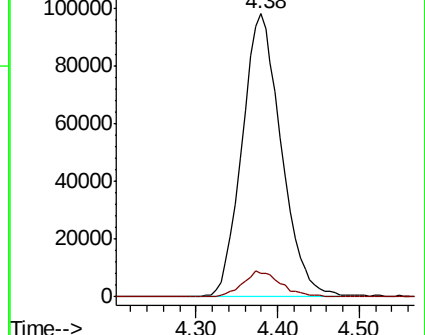
76 100

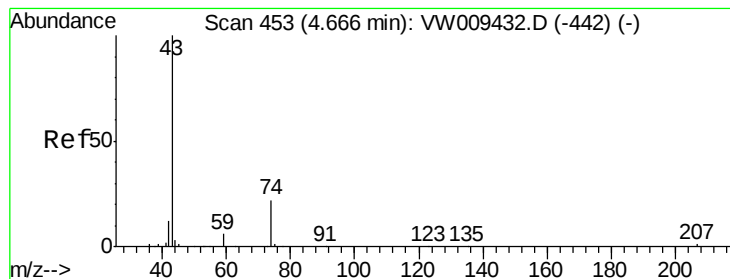
78 8.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 30.726 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

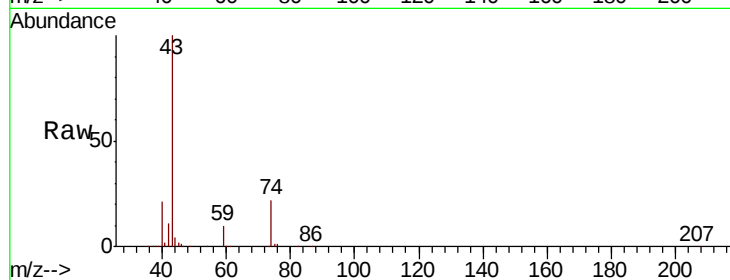
ClientSampleId :

Tot Ion: 43 Resp: 96461

Ion Ratio Lower Upper

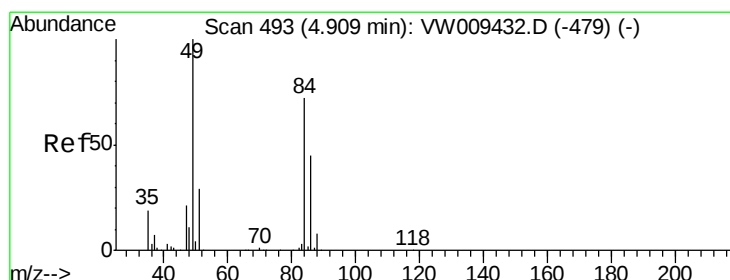
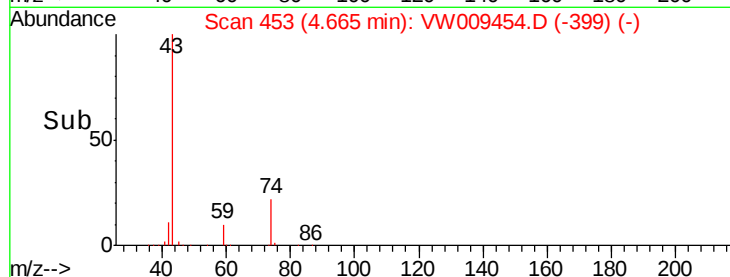
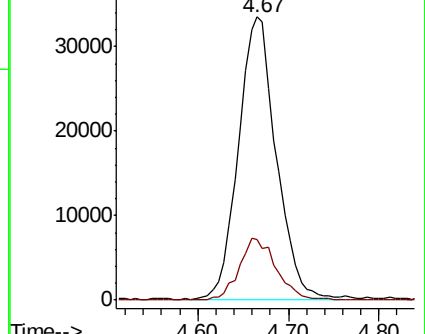
43 100

74 21.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 24.905 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

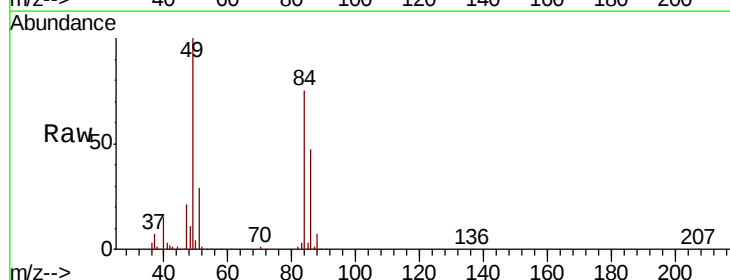
Tgt Ion: 84 Resp: 143210

Ion Ratio Lower Upper

84 100

49 132.8 96.0 178.2

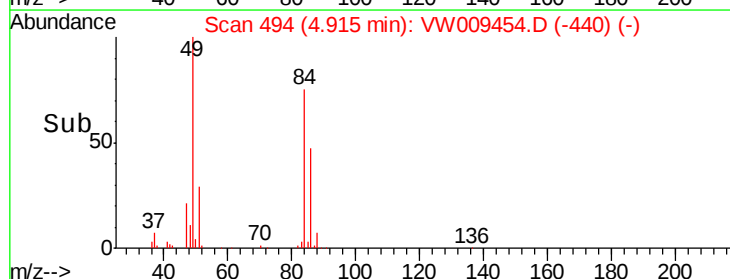
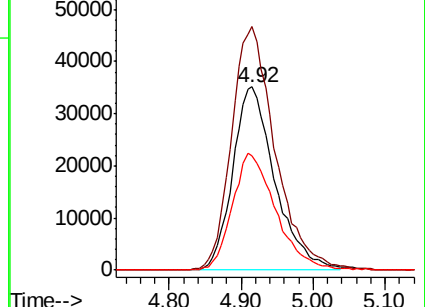
86 62.6 44.4 82.5

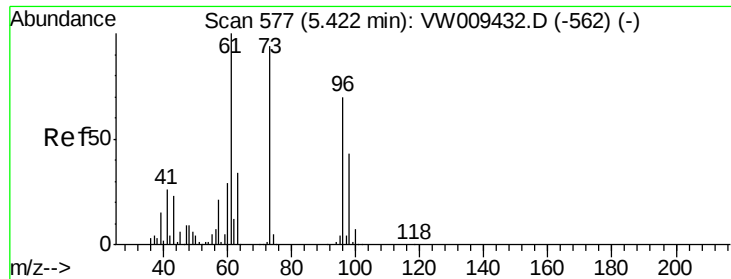


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

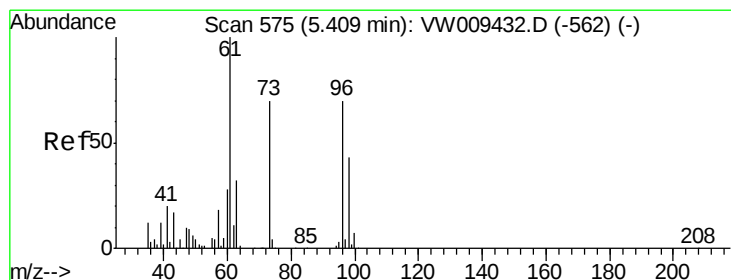
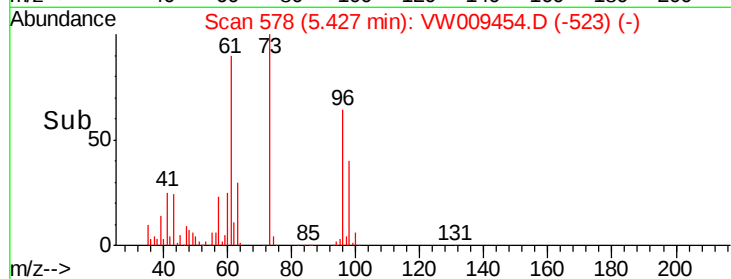
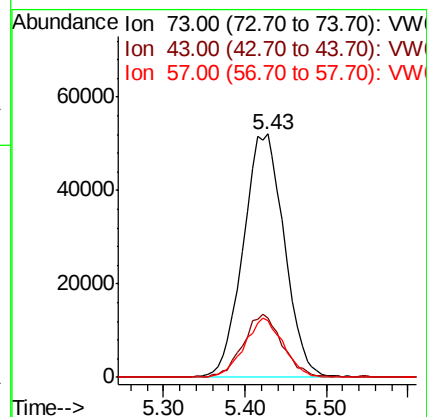
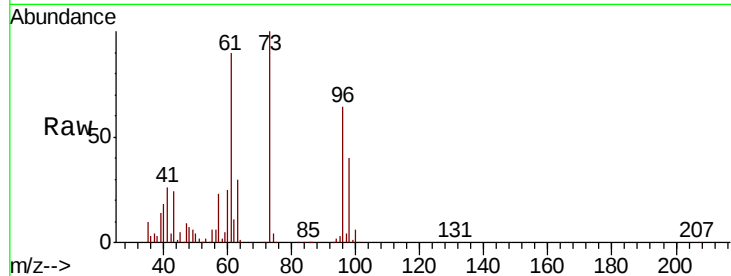




#17
Methvl tert-butvl Ether
Concen: 26.575 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

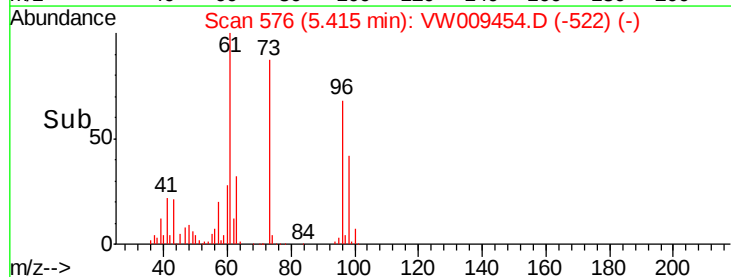
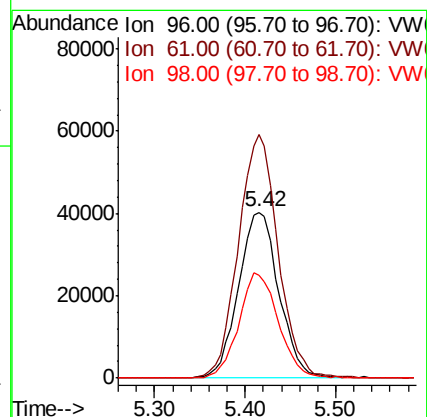
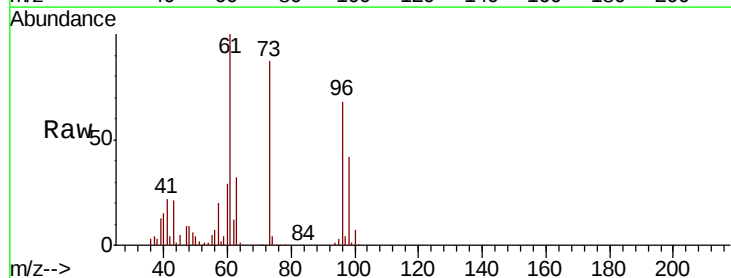
Instrument :
MSVOA_W
ClientSampled :

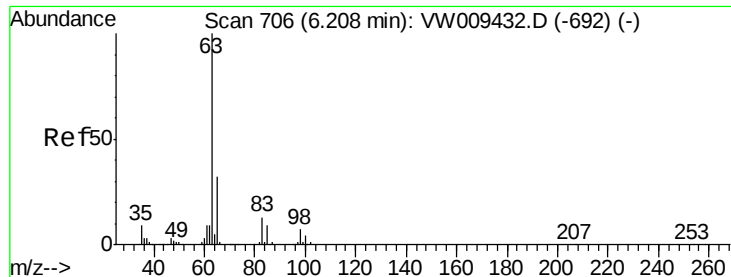
Tot Ion: 73 Resp: 182580
Ion Ratio Lower Upper
73 100
43 23.7 18.2 27.4
57 23.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 24.345 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 96 Resp: 124283
Ion Ratio Lower Upper
96 100
61 147.0 96.7 179.5
98 61.7 43.8 81.4





#19

1,1-Dichloroethane

Concen: 26.495 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

ClientSampled :

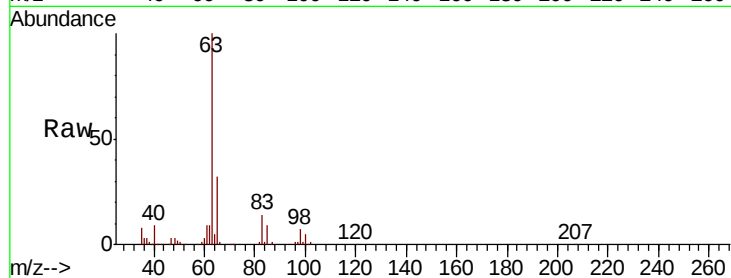
Tot Ion: 63 Resp: 246625

Ion Ratio Lower Upper

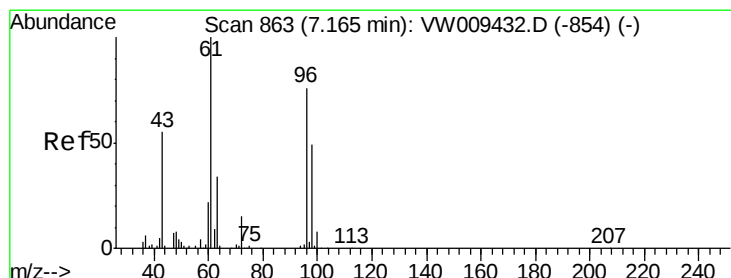
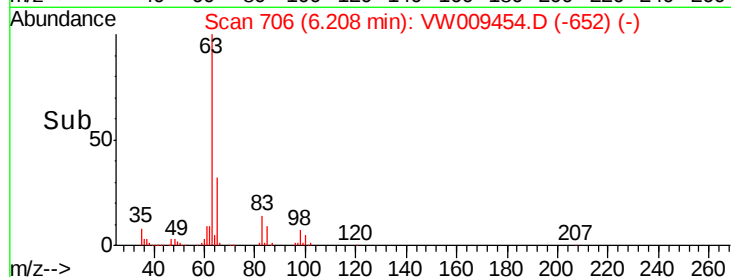
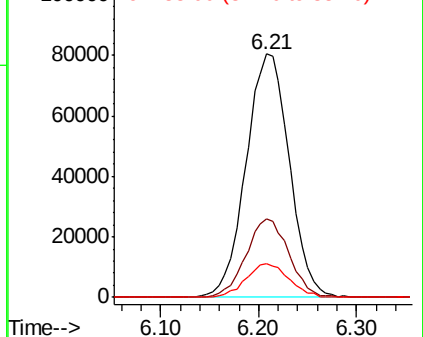
63 100

65 32.2 21.6 40.0

83 14.1 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 53.072 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009454.D

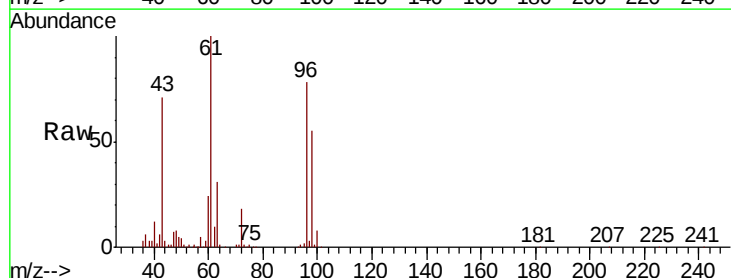
Acq: 26 Mar 2019 03:35

Tgt Ion: 43 Resp: 117105

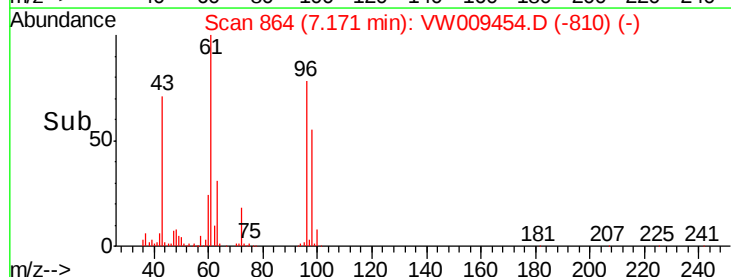
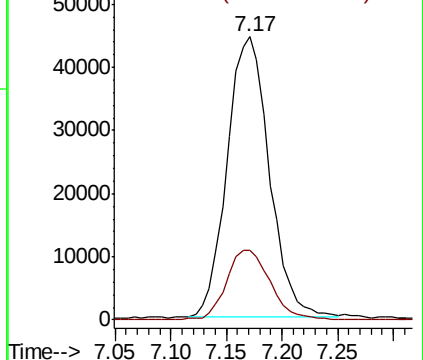
Ion Ratio Lower Upper

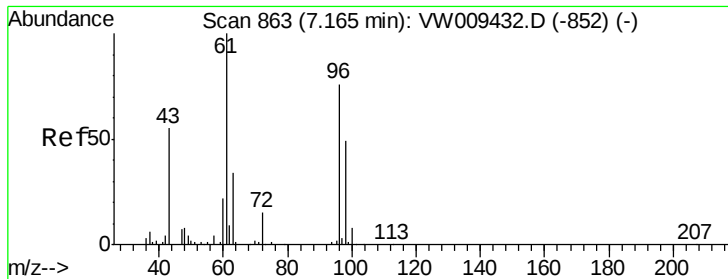
43 100

72 25.5 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



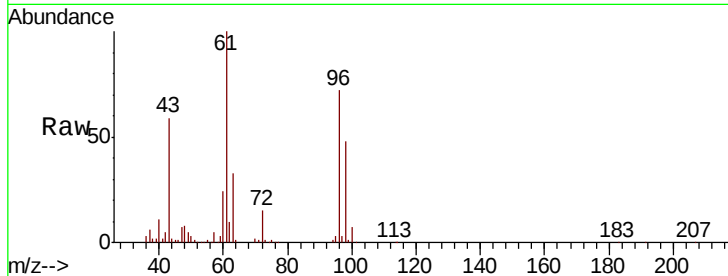


#22

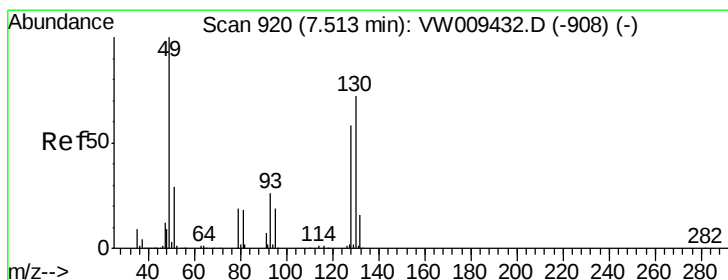
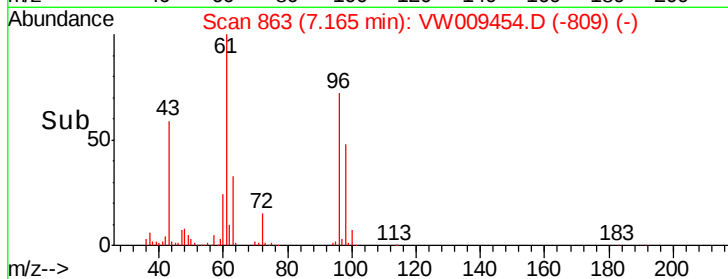
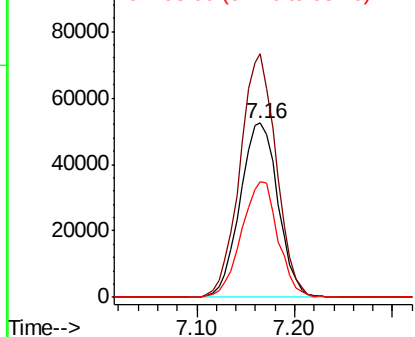
cis-1,2-Dichloroethene
Concen: 25.625 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 141715
Ion Ratio Lower Upper
96 100
61 139.7 90.6 168.3
98 66.6 44.0 81.8



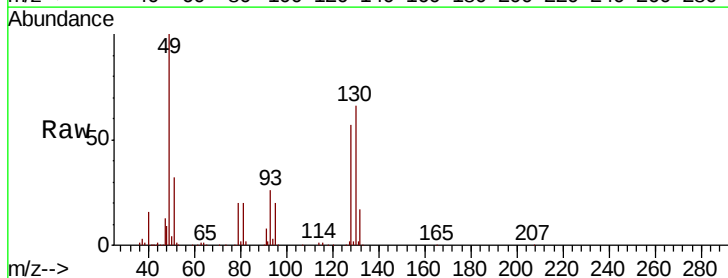
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



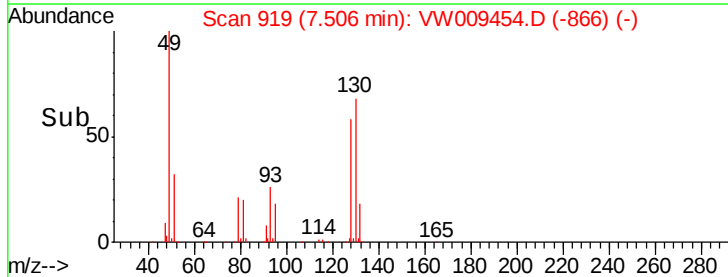
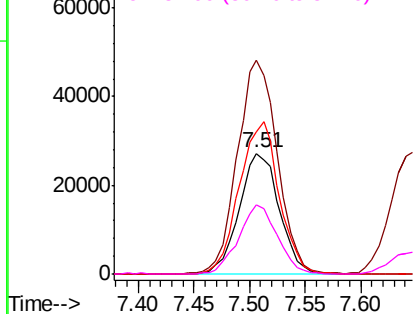
#23

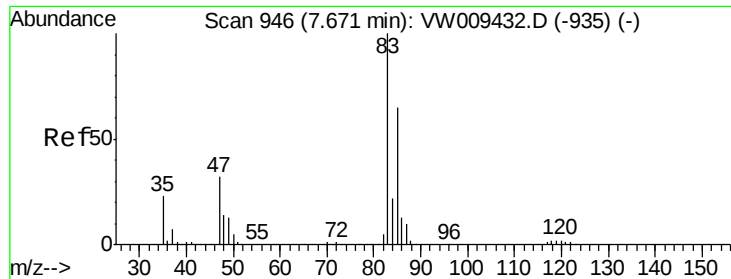
Bromochloromethane
Concen: 25.643 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 128 Resp: 68017
Ion Ratio Lower Upper
128 100
49 176.6 118.4 219.8
130 117.0 87.8 163.2
51 56.7 44.6 67.0



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

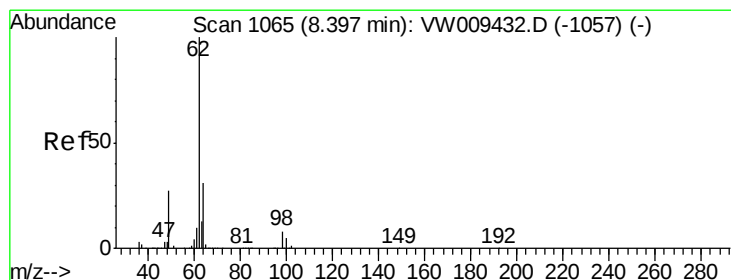
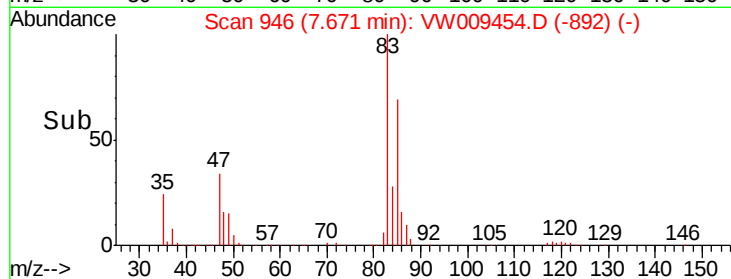
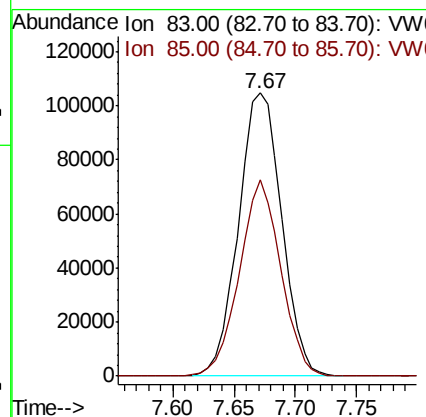
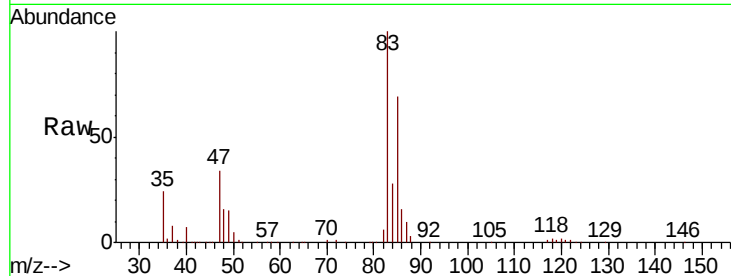




#25
Chloroform
Concen: 26.458 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

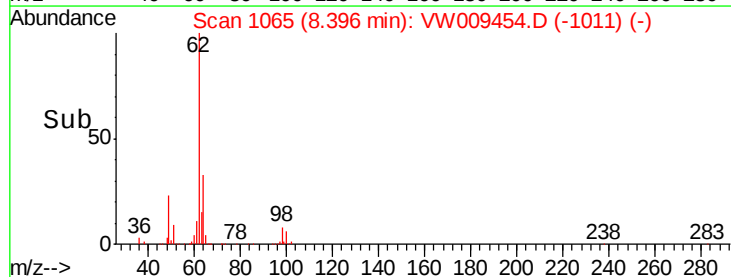
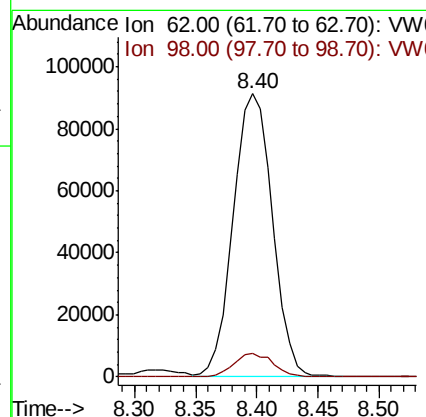
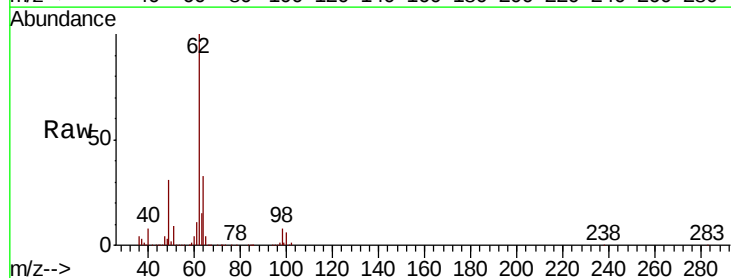
Instrument :
MSVOA_W
ClientSampleId :

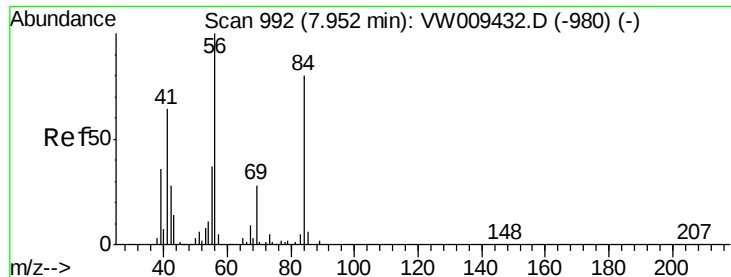
Tot Ion: 83 Resp: 257911
Ion Ratio Lower Upper
83 100
85 66.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 27.895 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 62 Resp: 202735
Ion Ratio Lower Upper
62 100
98 8.4 7.3 10.9

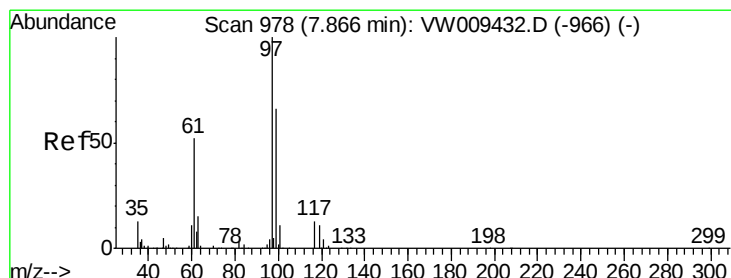
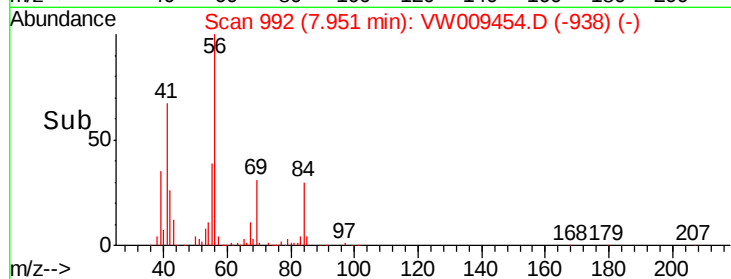
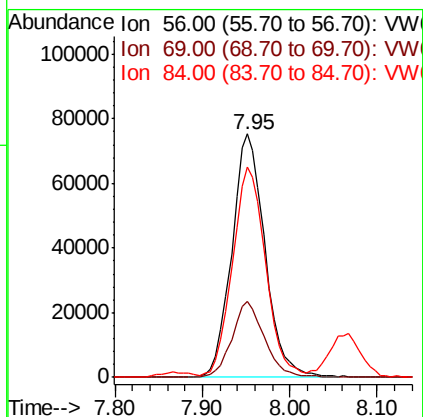
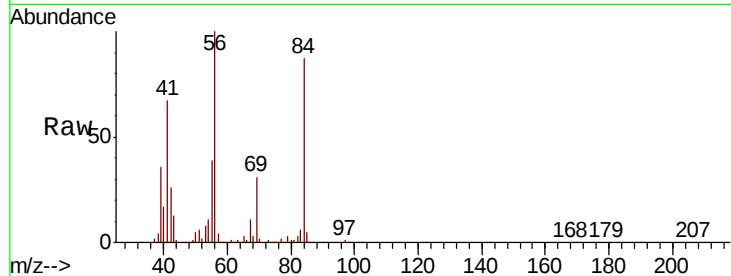




#30
Cyclohexane
Concen: 23.186 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

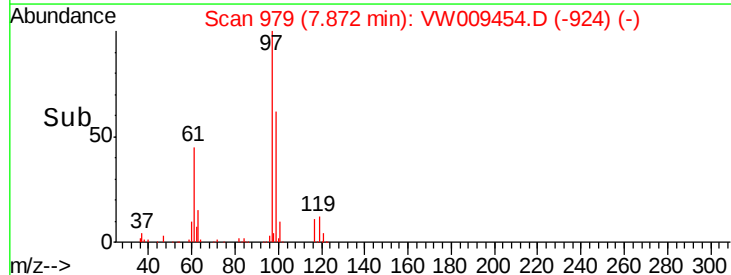
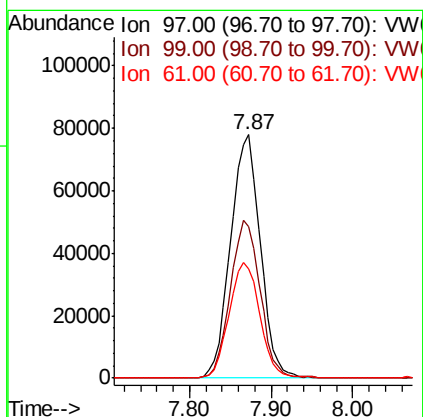
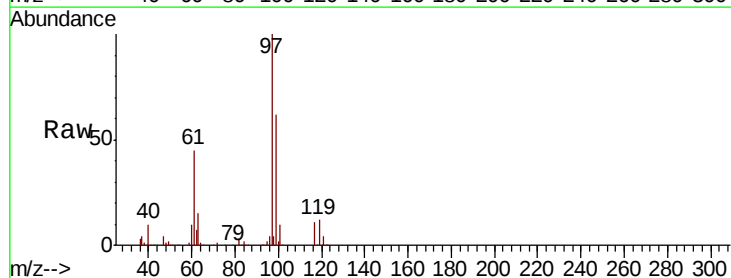
Instrument :
MSVOA_W
ClientSampleId :

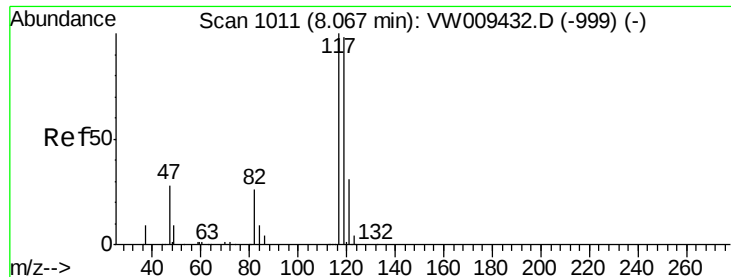
Tot Ion: 56 Resp: 198351
Ion Ratio Lower Upper
56 100
69 30.2 24.0 36.0
84 86.0 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 26.150 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 97 Resp: 196737
Ion Ratio Lower Upper
97 100
99 64.3 51.2 76.8
61 48.8 38.4 57.6



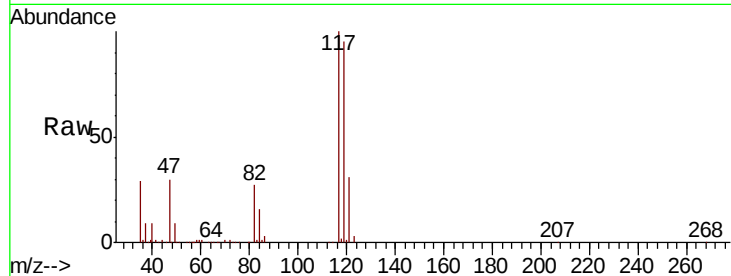


#32

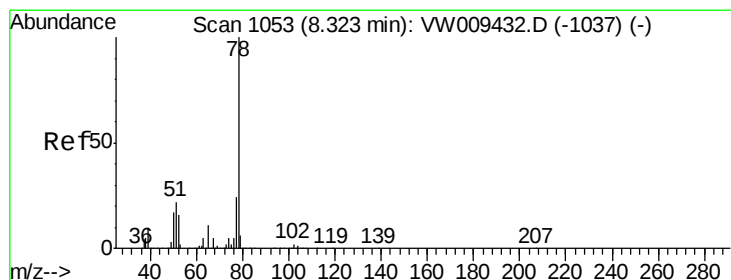
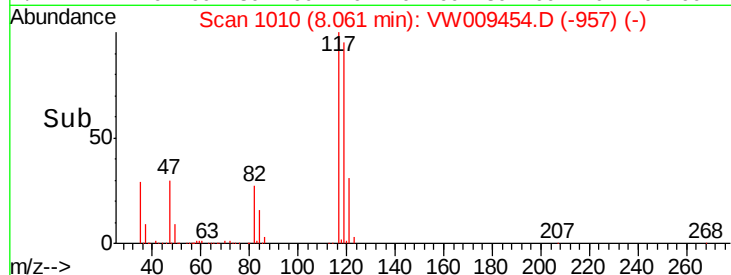
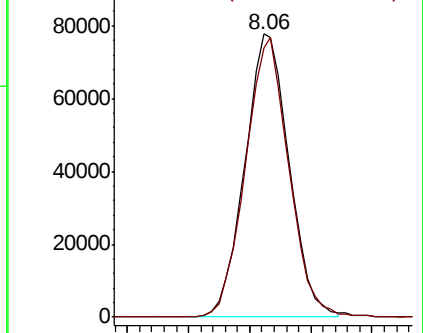
Carbon tetrachloride
 Concen: 25.723 ug/L
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:117 Resp: 195256
 Ion Ratio Lower Upper
 117 100
 119 96.8 78.0 117.0



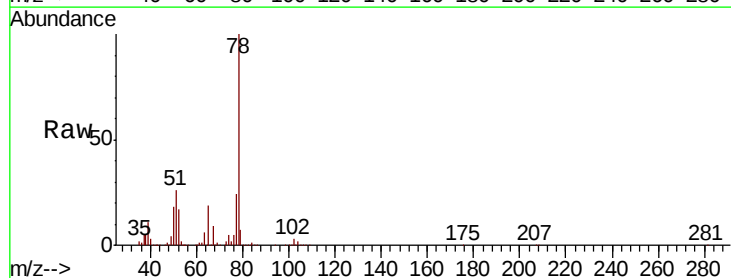
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



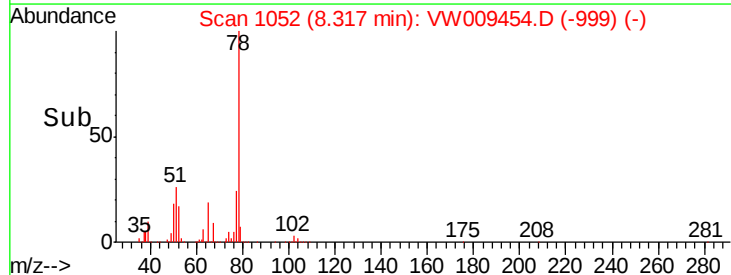
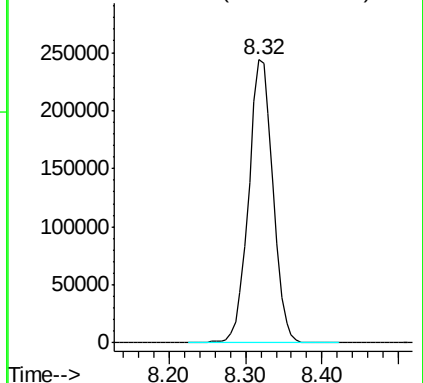
#34

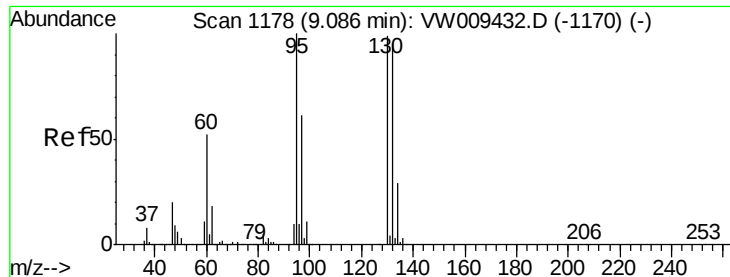
Benzene
 Concen: 26.233 ug/L
 RT: 8.32 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Tgt Ion: 78 Resp: 540863



Abundance Ion 78.00 (77.70 to 78.70): VW

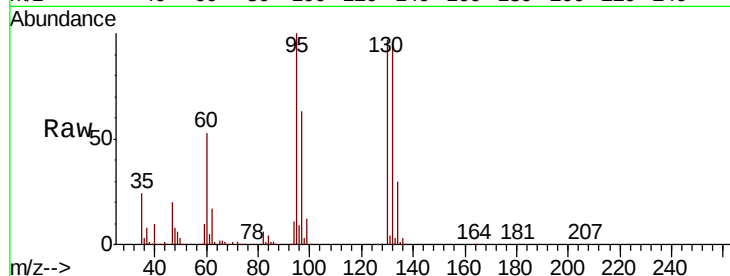




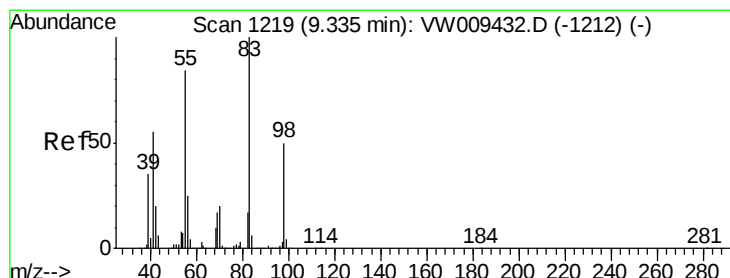
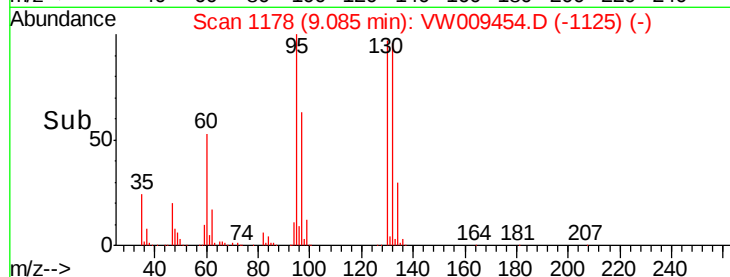
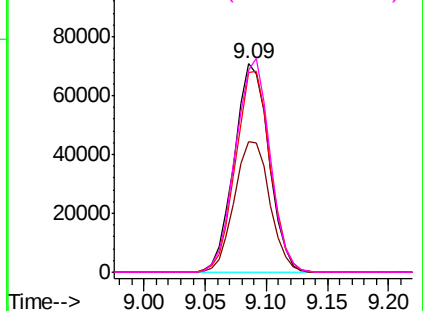
#35
 Trichloroethene
 Concen: 25.378 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 139422
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 82.9
 132 96.3 69.0 128.2
 130 101.5 72.7 134.9

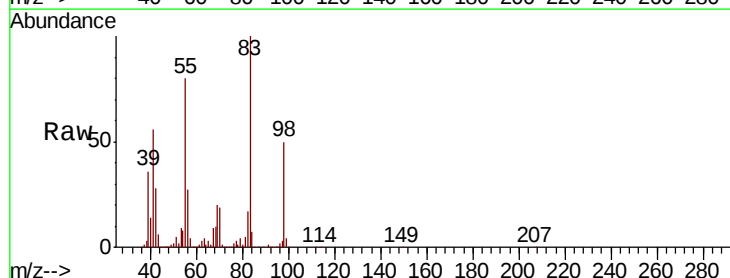


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

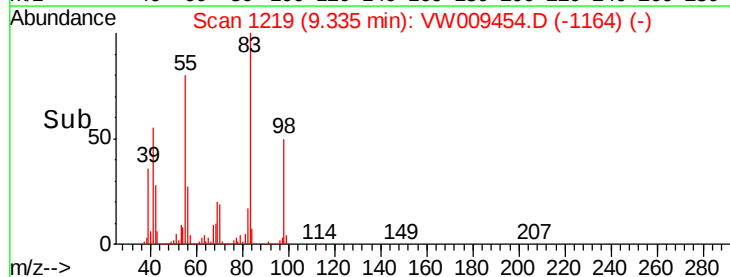
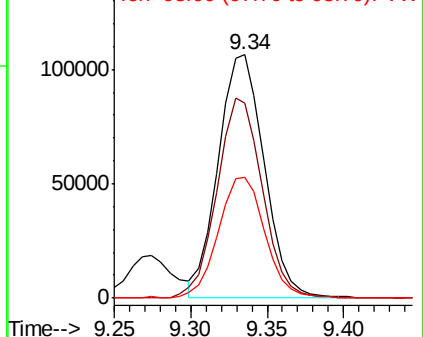


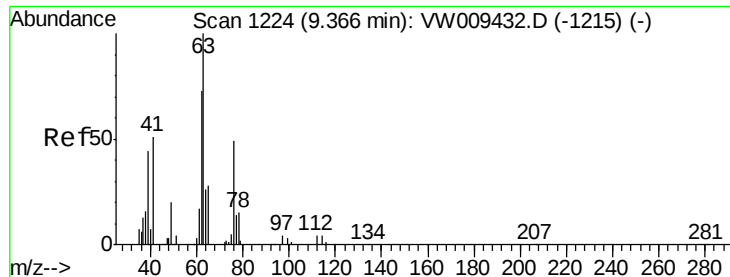
#36
 Methylcyclohexane
 Concen: 23.401 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Tgt Ion: 83 Resp: 222426
 Ion Ratio Lower Upper
 83 100
 55 80.2 63.5 95.3
 98 49.5 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: 26.340 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

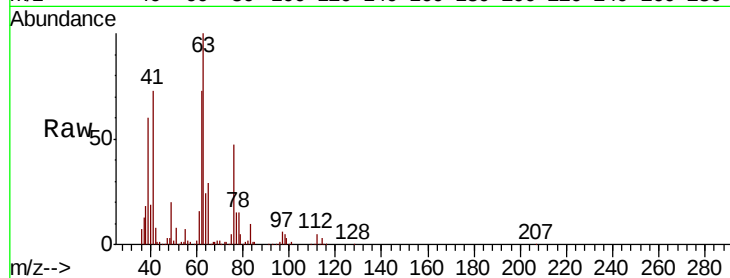
ClientSampled :

Tot Ion: 63 Resp: 139358

Ion Ratio Lower Upper

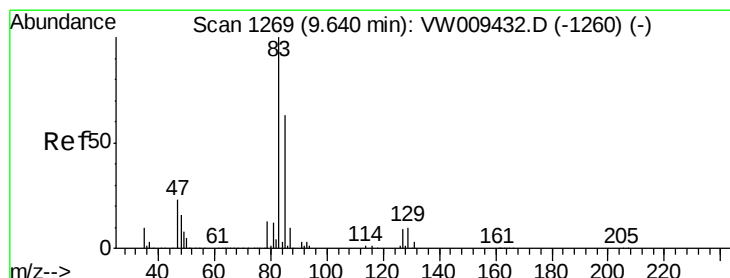
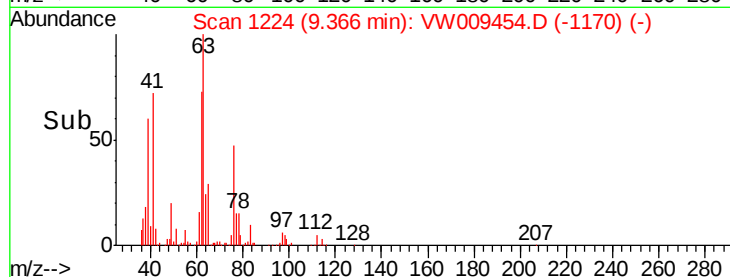
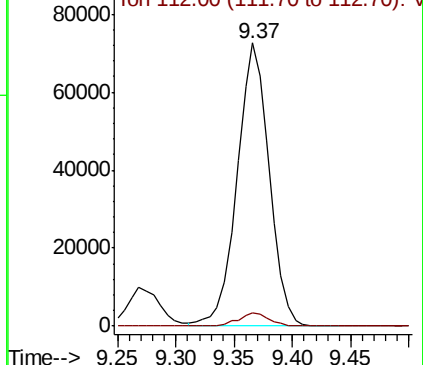
63 100

112 4.6 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.541 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

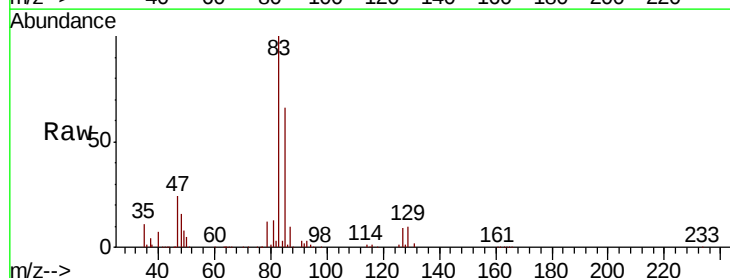
Tgt Ion: 83 Resp: 194561

Ion Ratio Lower Upper

83 100

85 66.0 43.5 80.7

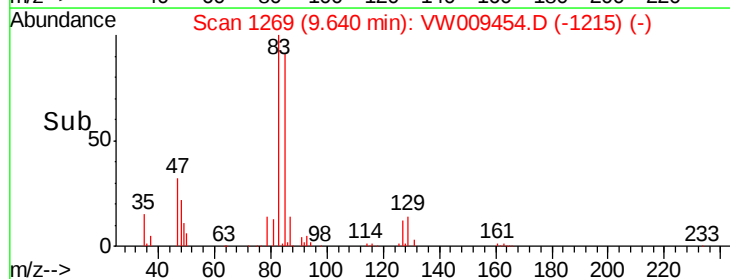
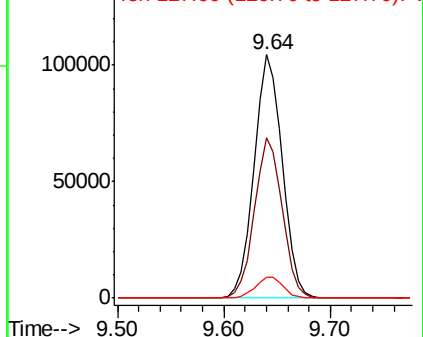
127 8.7 6.2 9.4

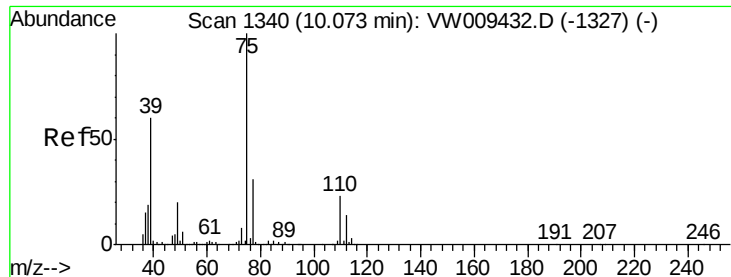


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.493 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

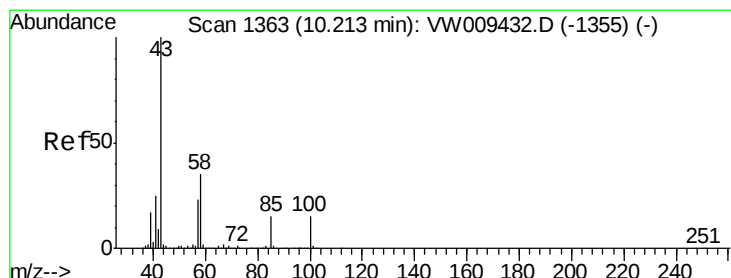
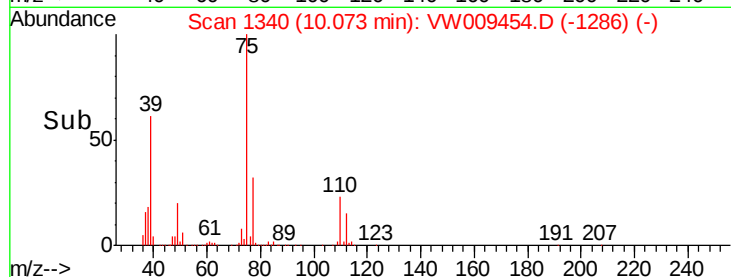
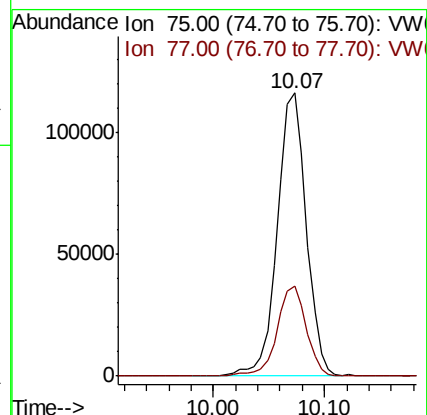
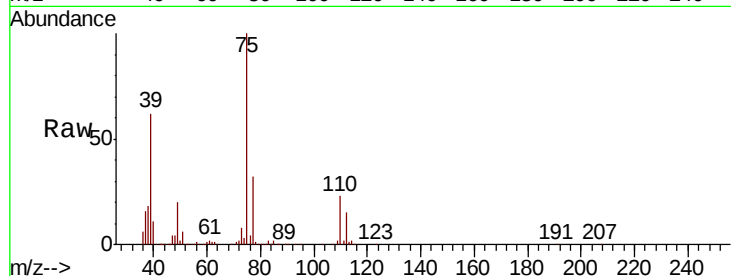
ClientSampled :

Tot Ion: 75 Resp: 211061

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 55.097 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

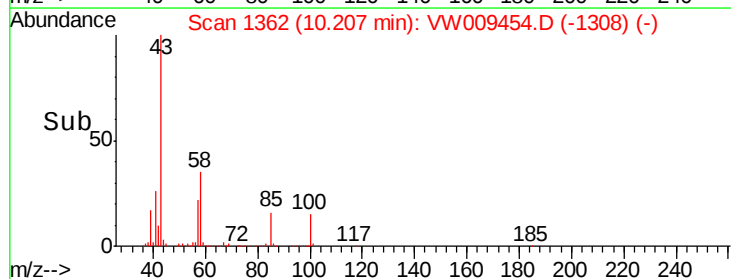
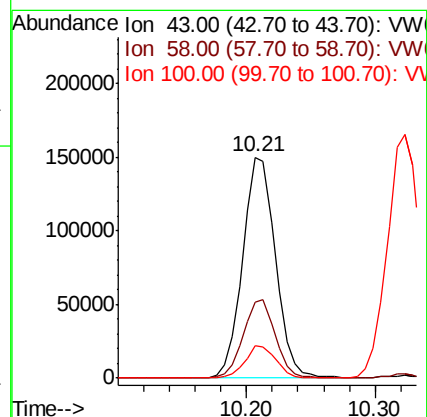
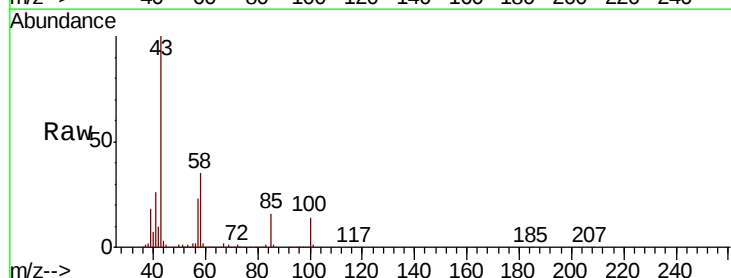
Tgt Ion: 43 Resp: 264145

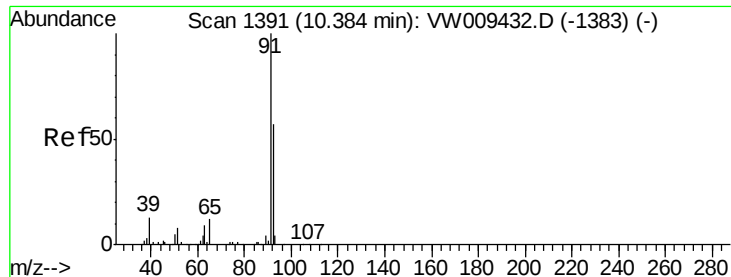
Ion Ratio Lower Upper

43 100

58 34.6 28.2 42.2

100 13.8 11.4 17.2





#44

Toluene

Concen: 25.868 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

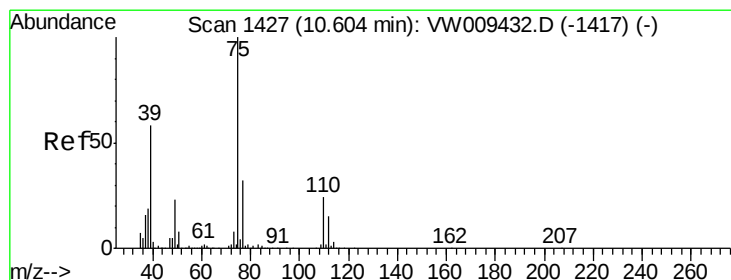
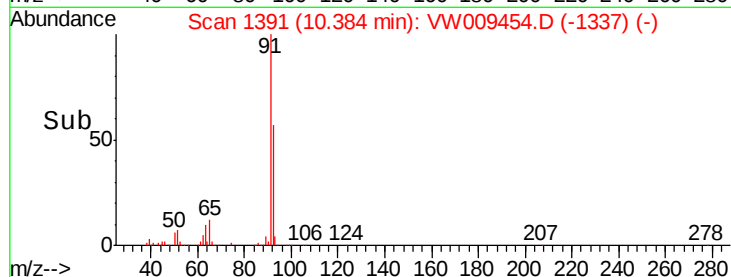
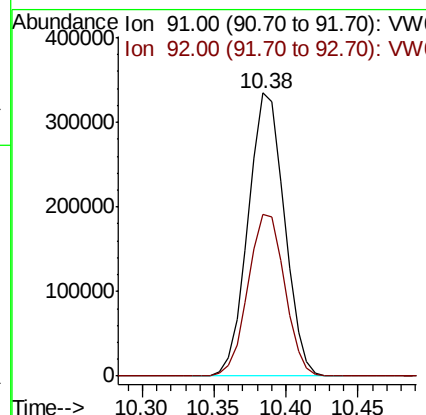
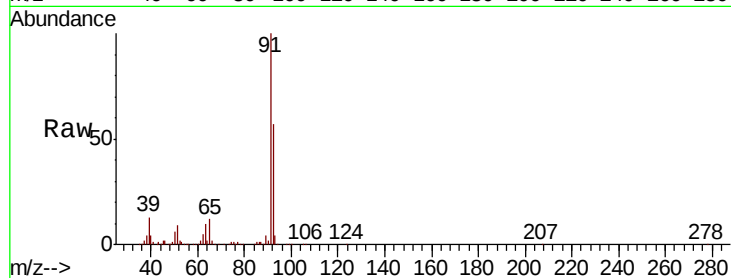
ClientSampleId :

Tot Ion: 91 Resp: 583141

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 25.255 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009454.D

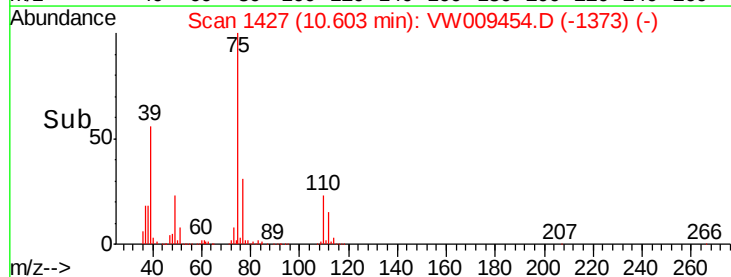
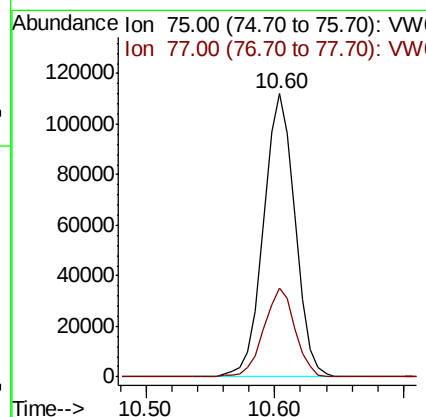
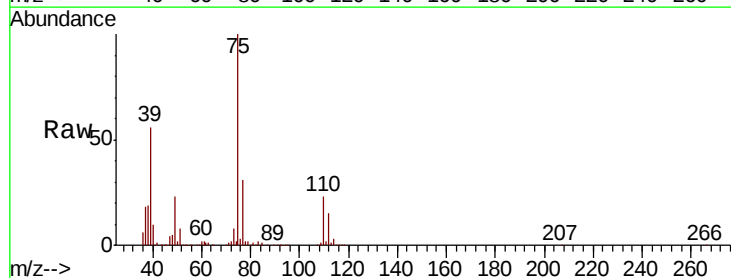
Acq: 26 Mar 2019 03:35

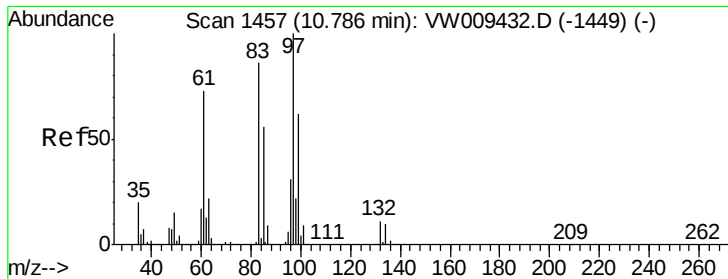
Tgt Ion: 75 Resp: 189310

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7

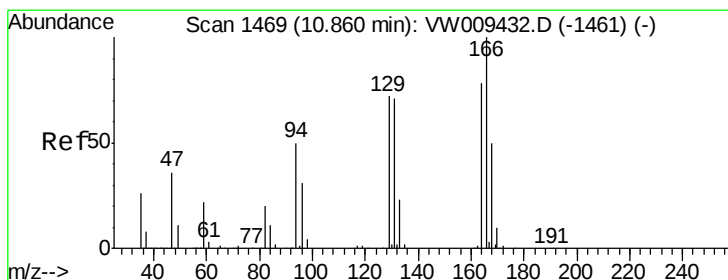
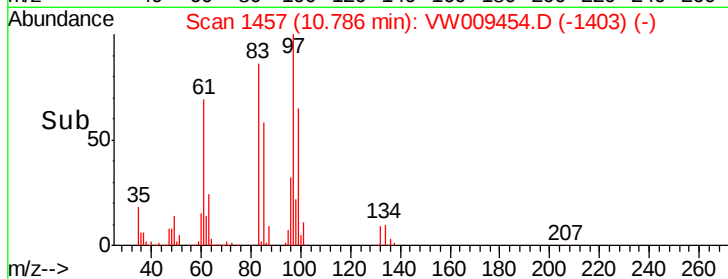
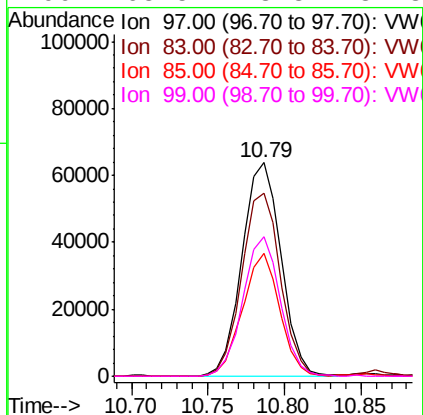
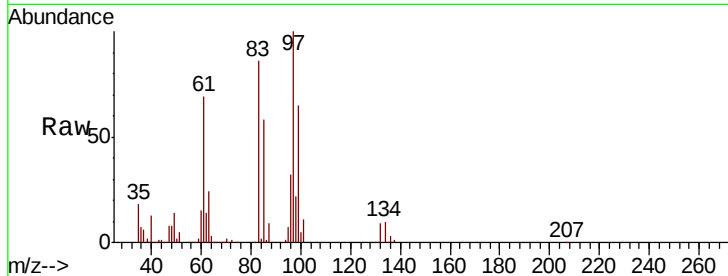




#46
1,1,2-Trichloroethane
Concen: 26.900 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

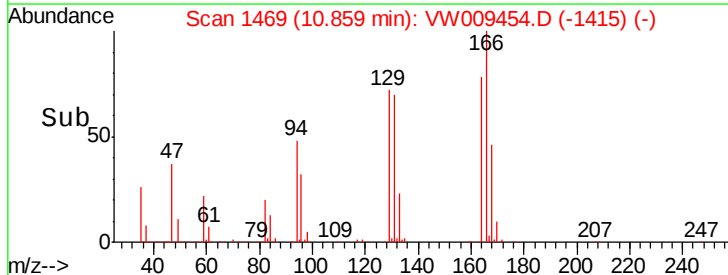
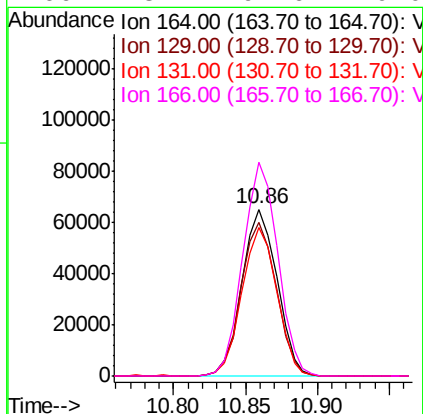
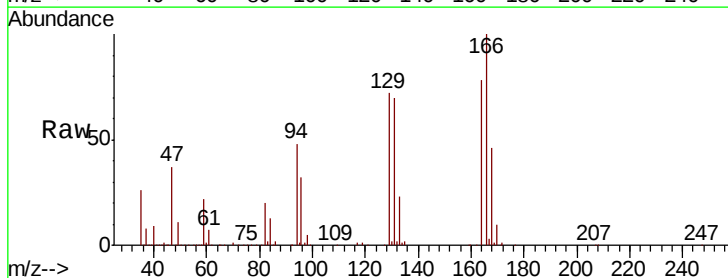
Instrument :
MSVOA_W
ClientSampled :

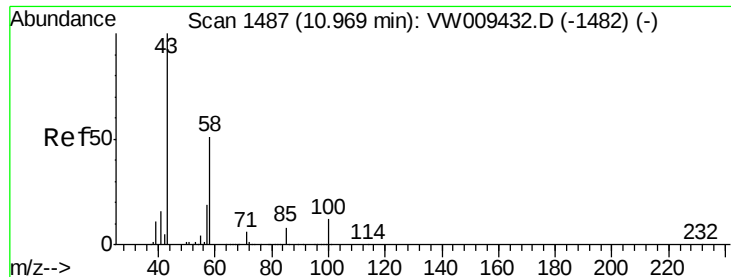
Tot Ion	Resp	Lower	Upper
97	113541		
83	85.8	60.7	112.7
85	57.8	40.1	74.5
99	65.5	43.8	81.3



#47
Tetrachloroethene
Concen: 23.723 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Tgt Ion	Resp	Lower	Upper
164	110121		
129	92.4	66.5	123.5
131	89.2	62.6	116.3
166	128.2	91.6	170.0

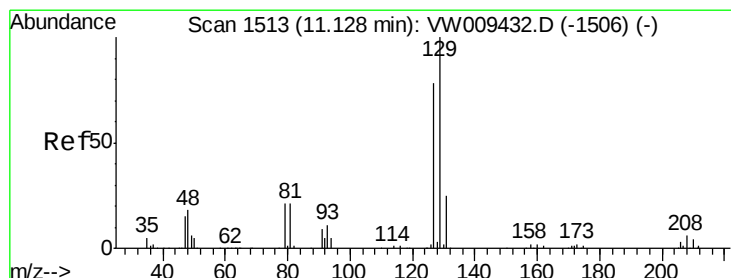
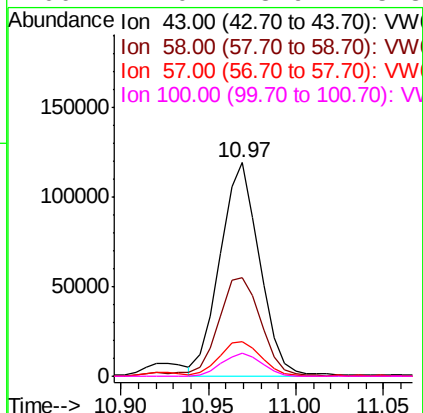
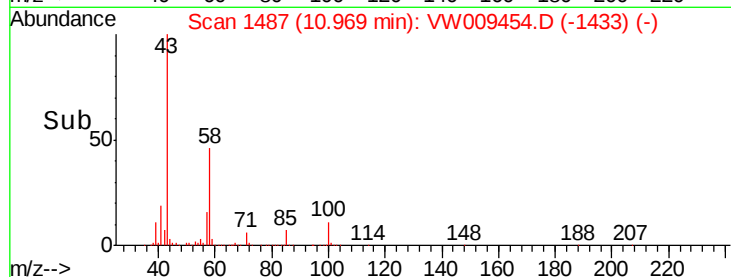
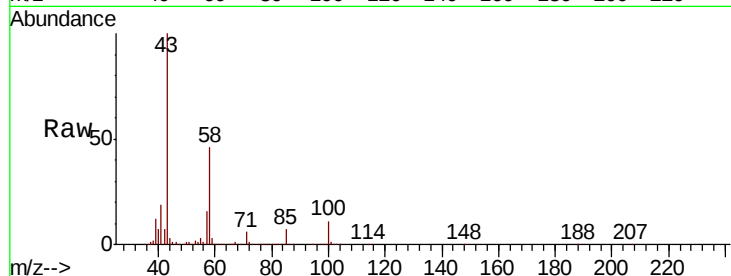




#49
2-Hexanone
Concen: 55.704 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

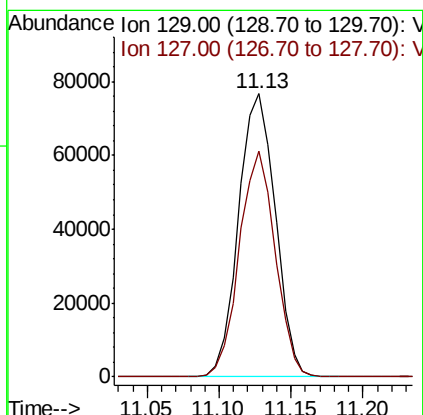
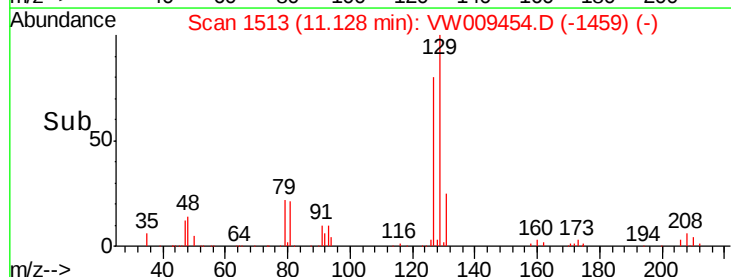
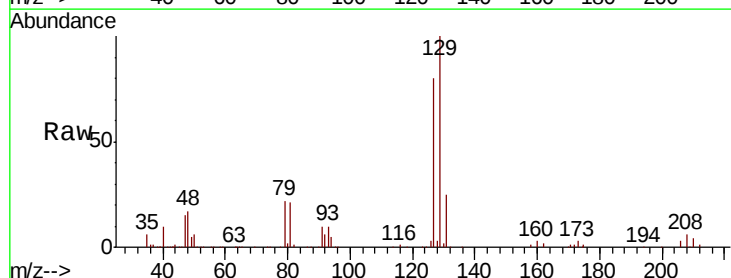
Instrument :
MSVOA_W
ClientSampleId :

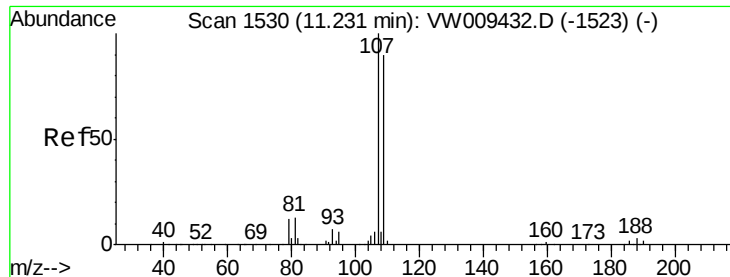
Tot Ion: 43 Resp: 188089
Ion Ratio Lower Upper
43 100
58 49.9 39.2 58.8
57 17.1 14.2 21.2
100 11.0 8.9 13.3



#50
Dibromochloromethane
Concen: 26.103 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 129 Resp: 136008
Ion Ratio Lower Upper
129 100
127 79.9 56.8 105.6

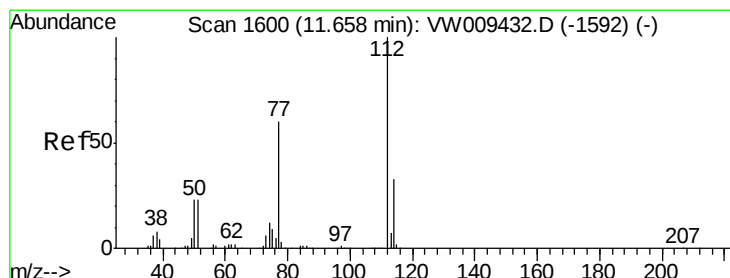
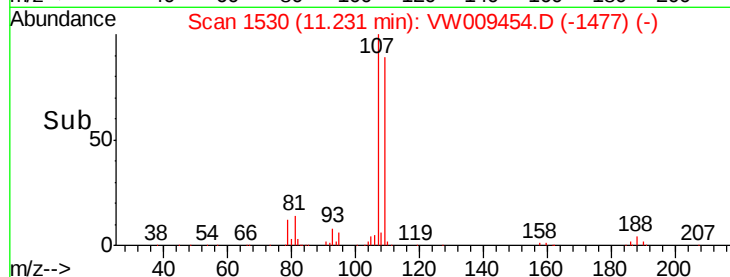
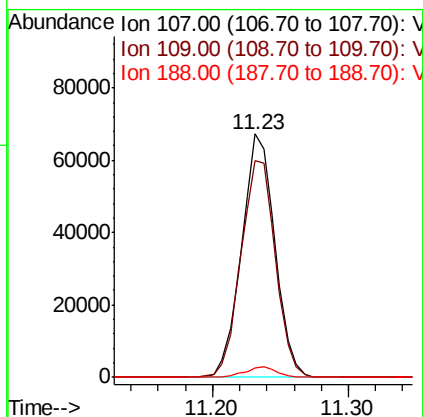
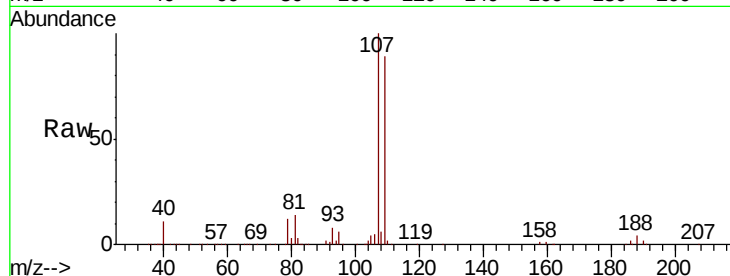




#51
 1,2-Dibromoethane
 Concen: 26.833 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

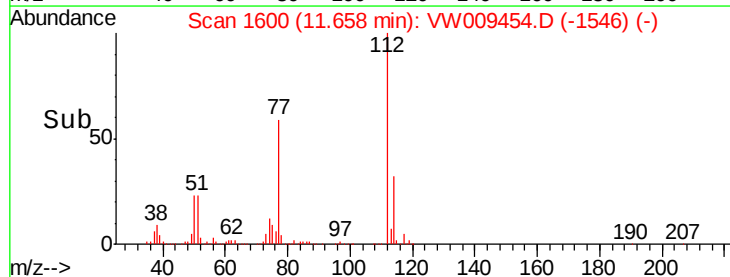
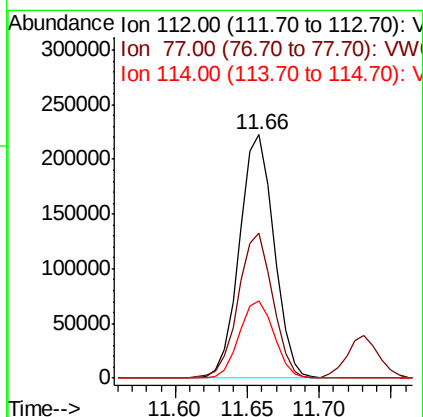
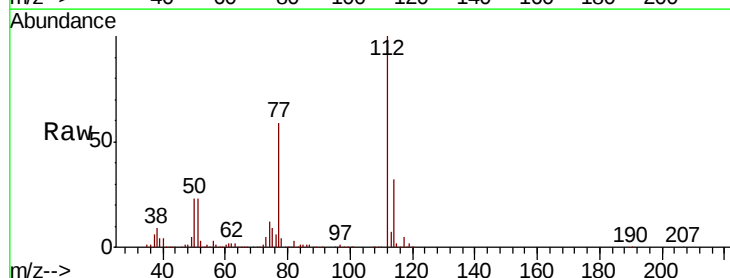
Instrument :
 MSVOA_W
 ClientSampleId :

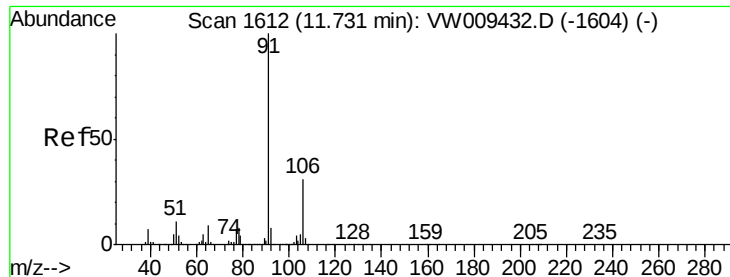
Tot Ion:107 Resp: 114816
 Ion Ratio Lower Upper
 107 100
 109 88.8 68.0 126.4
 188 3.8 3.5 5.3



#52
 Chlorobenzene
 Concen: 25.614 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Tgt Ion:112 Resp: 370338
 Ion Ratio Lower Upper
 112 100
 77 59.4 45.7 68.5
 114 31.6 22.8 42.4





#53

Ethylbenzene

Concen: 25.870 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

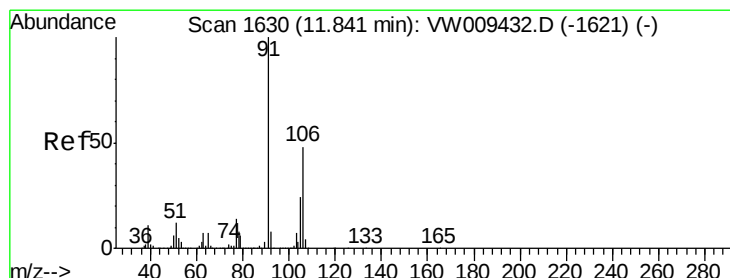
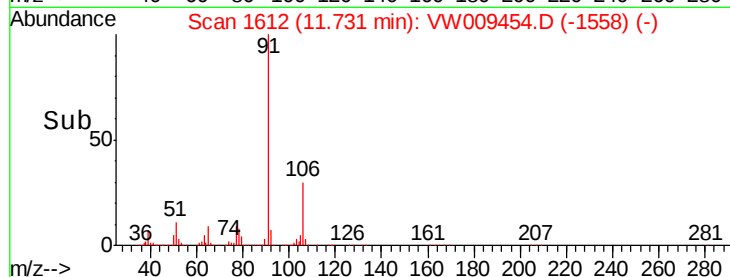
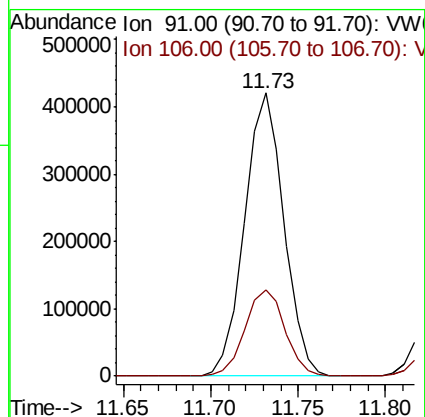
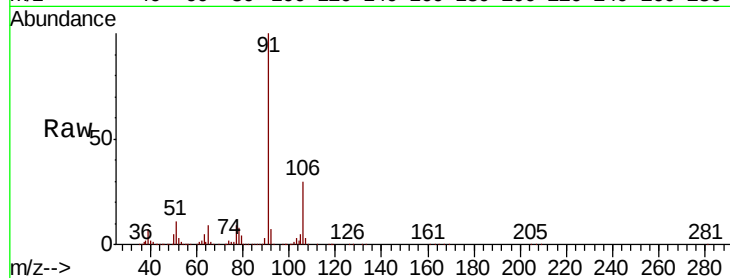
ClientSampled :

Tot Ion: 91 Resp: 655651

Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



#54

m,p-Xylene

Concen: 25.327 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009454.D

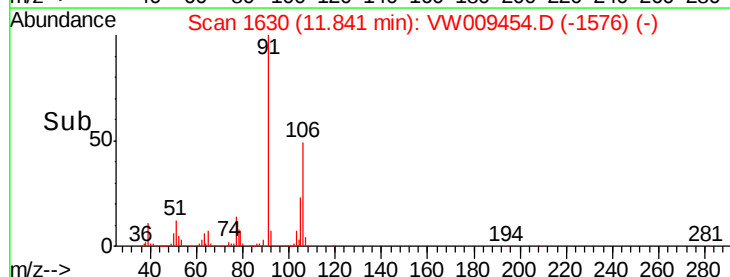
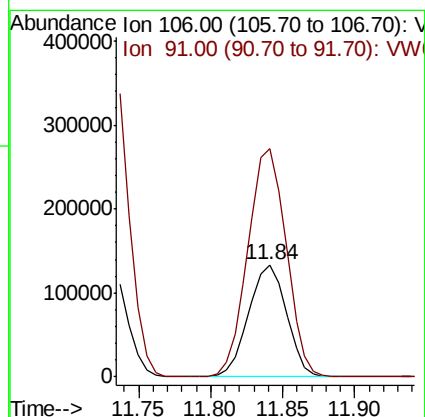
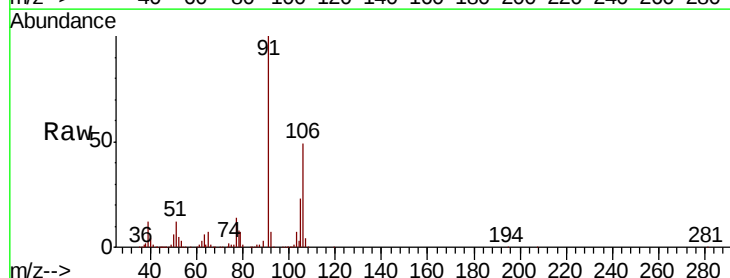
Acq: 26 Mar 2019 03:35

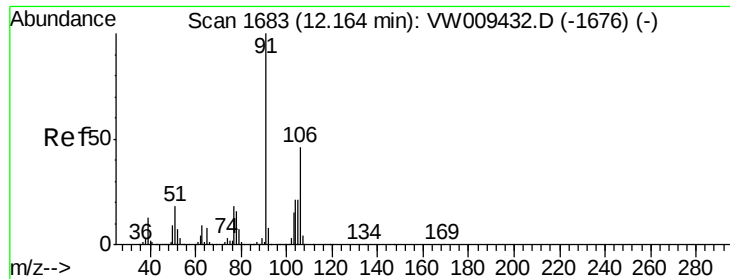
Tgt Ion: 106 Resp: 243865

Ion Ratio Lower Upper

106 100

91 204.5 138.4 257.0

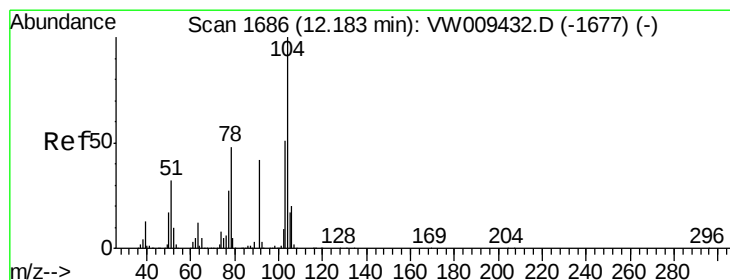
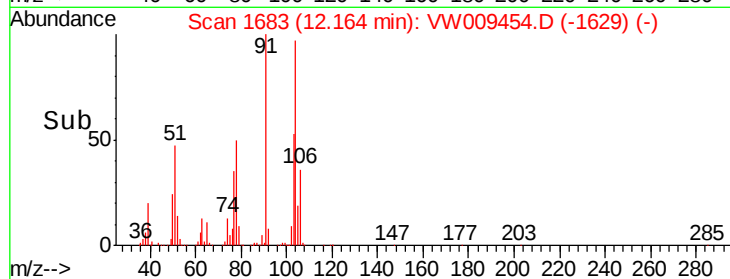
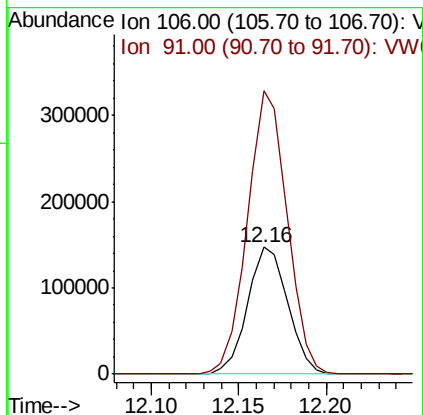
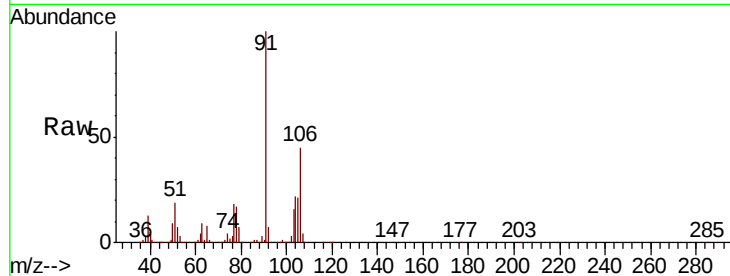




#55
o-xylene
Concen: 25.079 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

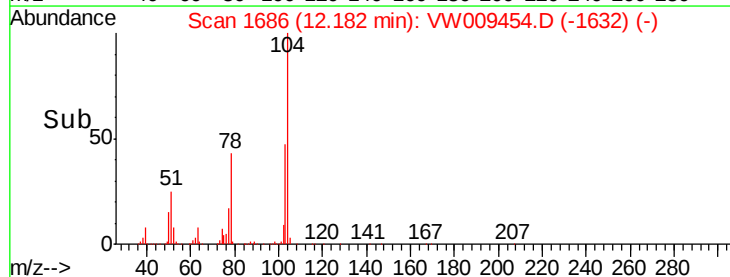
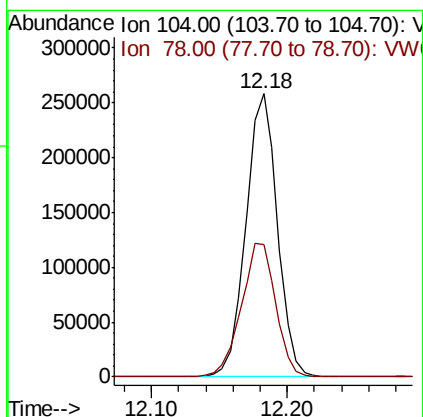
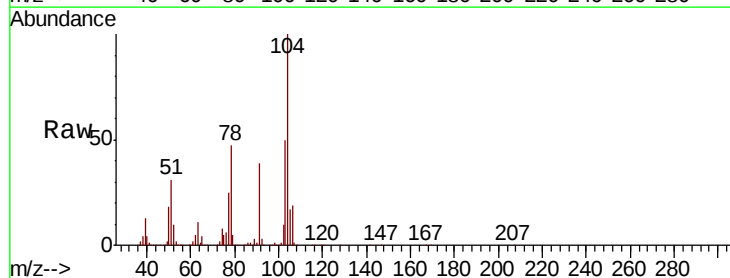
Instrument :
MSVOA_W
ClientSampleId :

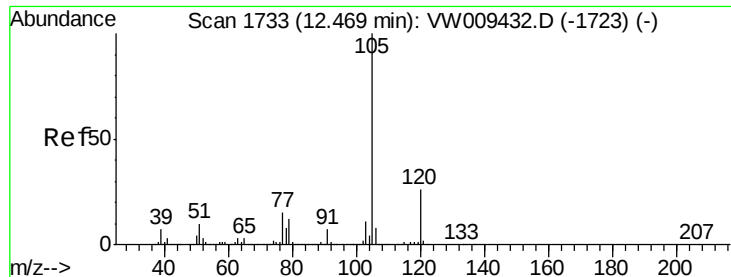
Tot Ion:106 Resp: 235581
Ion Ratio Lower Upper
106 100
91 223.2 153.2 284.4



#56
Styrene
Concen: 26.117 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009454.D
Acq: 26 Mar 2019 03:35

Tgt Ion:104 Resp: 418580
Ion Ratio Lower Upper
104 100
78 46.6 30.9 57.3





#57

Isopropylbenzene

Concen: 25.588 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

ClientSampled :

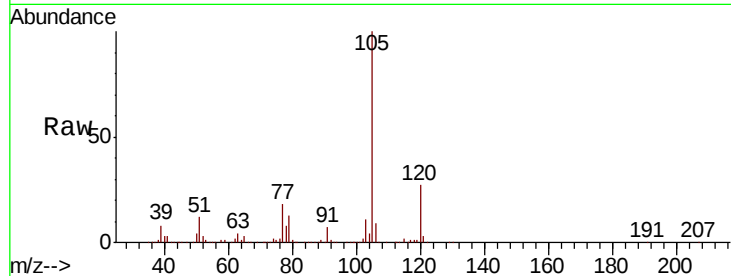
Tot Ion:105 Resp: 643887

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

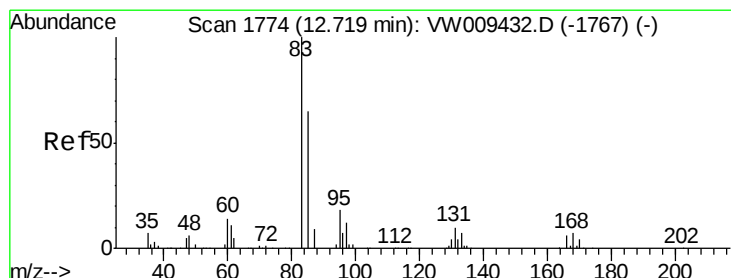
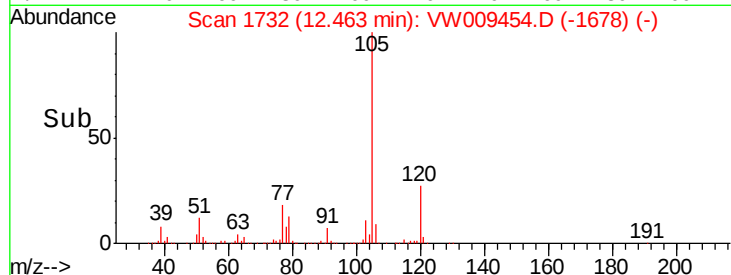
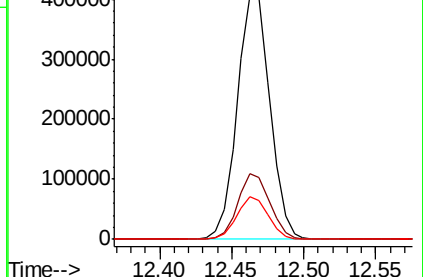
77 16.9 13.1 19.7



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: 28.005 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

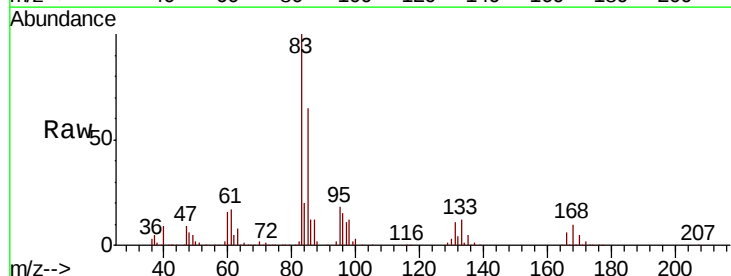
Tgt Ion: 83 Resp: 159469

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

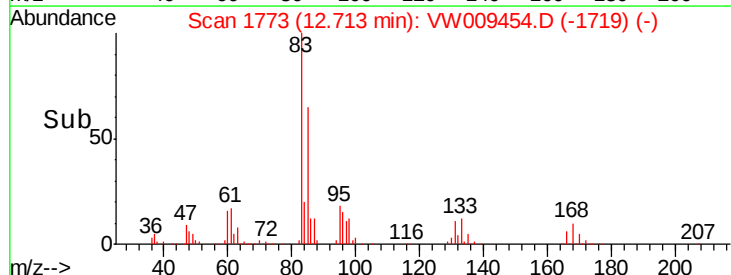
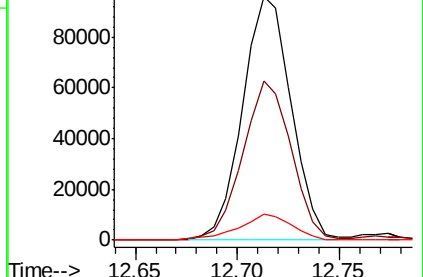
131 10.6 9.2 13.8

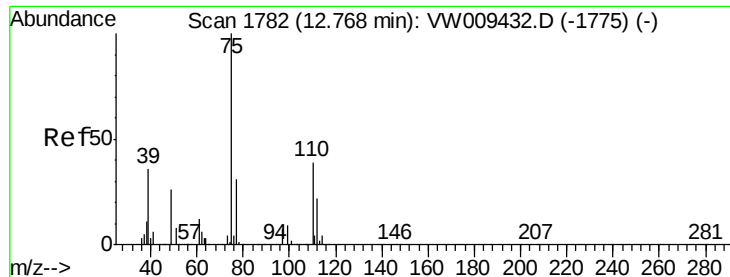


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.214 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

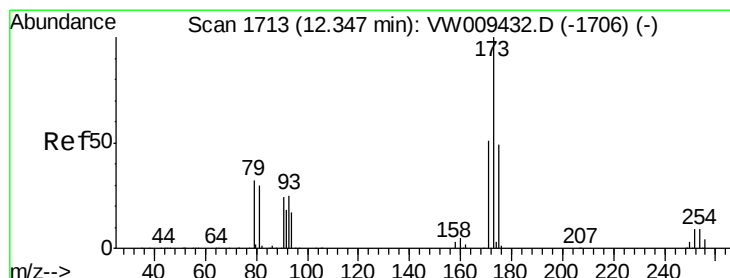
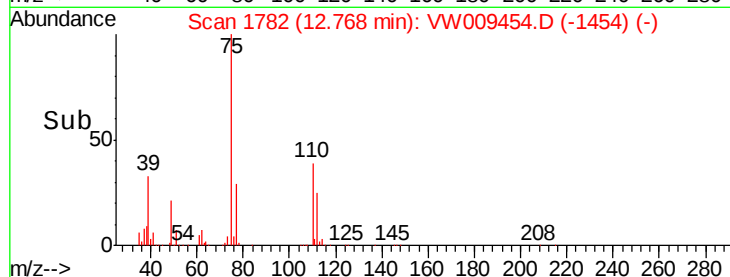
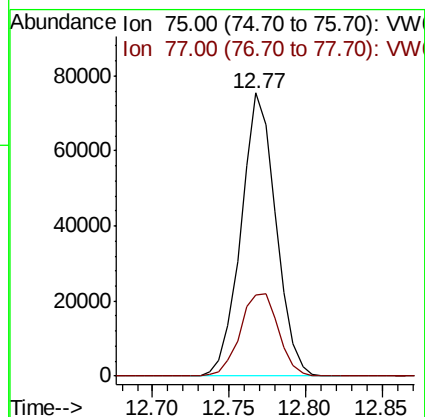
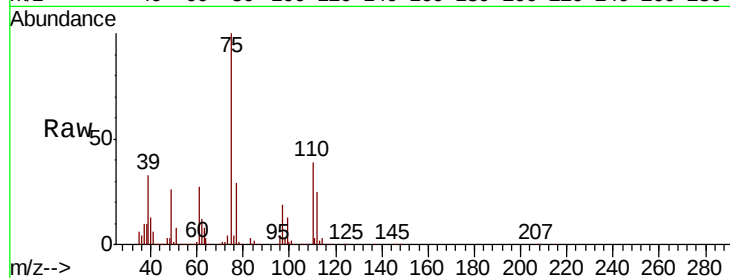
ClientSampleId :

Tot Ion: 75 Resp: 119231

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#62

Bromoform

Concen: 28.101 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

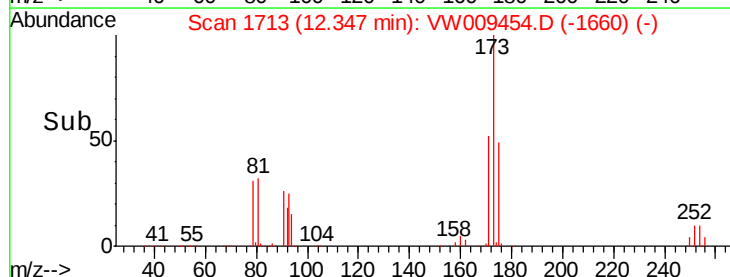
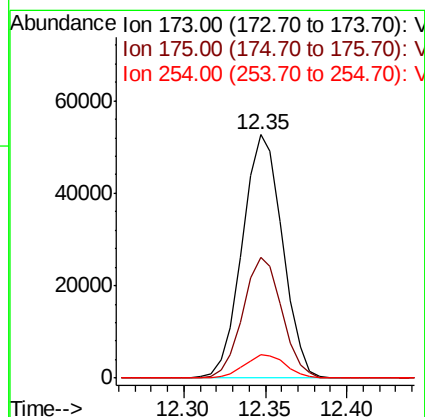
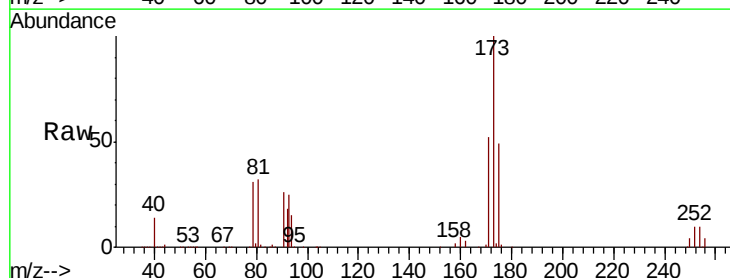
Tgt Ion: 173 Resp: 90339

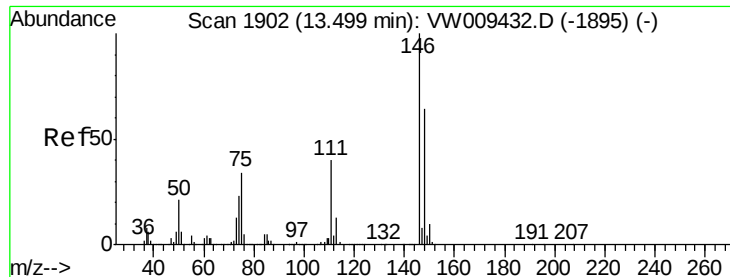
Ion Ratio Lower Upper

173 100

175 48.4 39.7 59.5

254 9.8 8.5 12.7

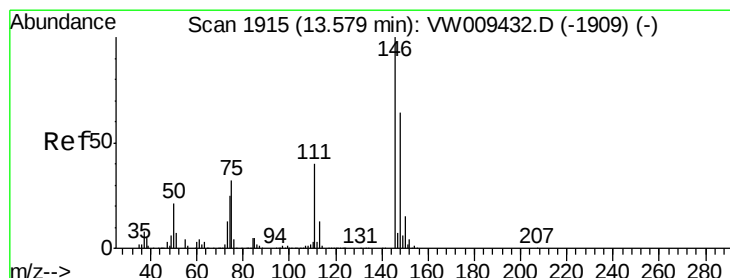
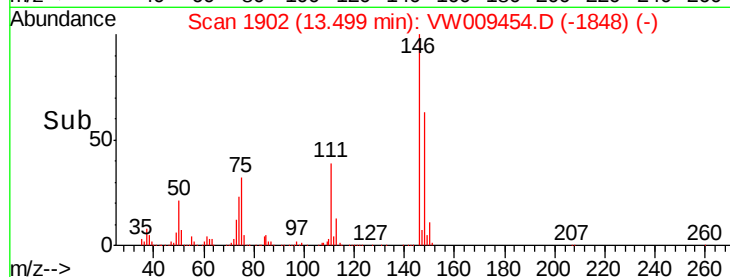
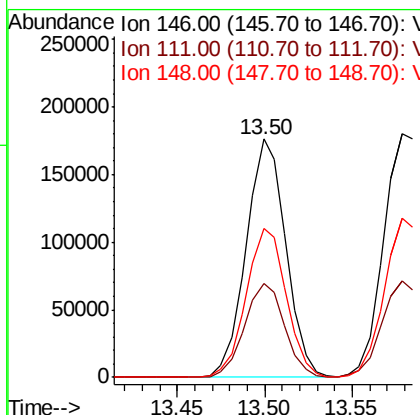
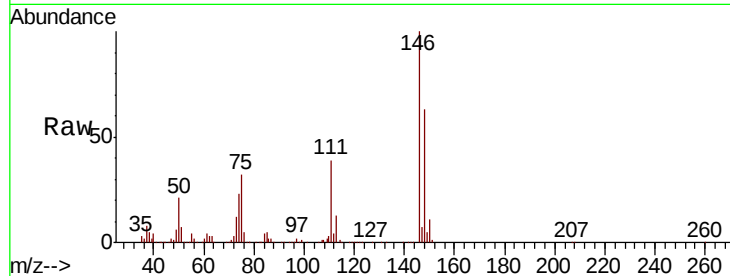




#63
 1,3-Dichlorobenzene
 Concen: 24.692 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

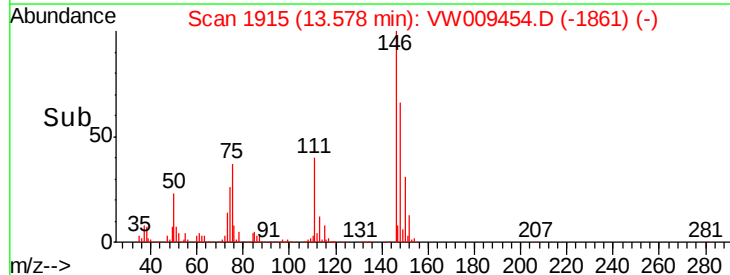
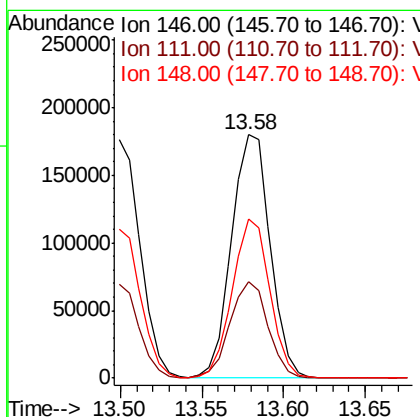
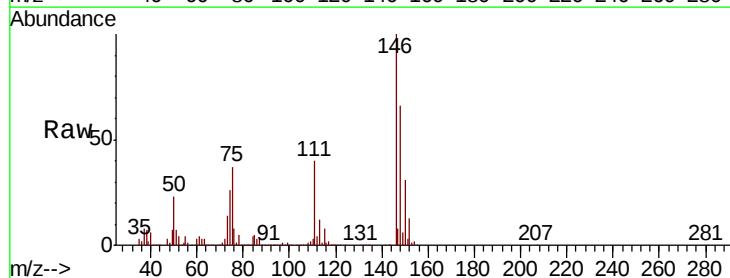
Instrument :
 MSVOA_W
 ClientSampleId :

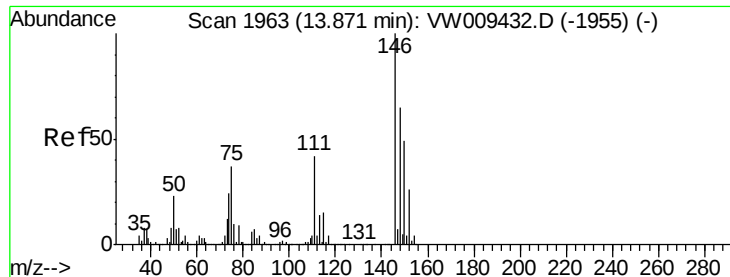
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	26.9	49.9
148	62.7	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.333 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.8	51.6
148	65.5	46.3	86.1





#65

1,2-Dichlorobenzene

Concen: 25.539 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

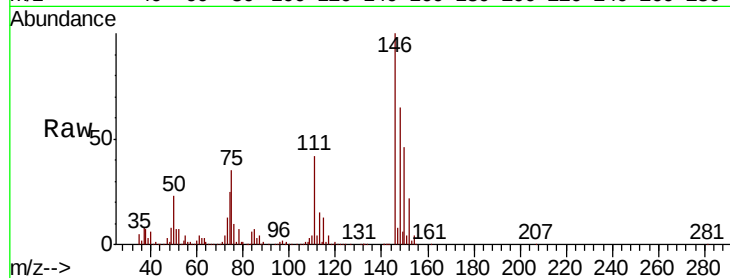
Tot Ion:146 Resp: 276183

Ion Ratio Lower Upper

146 100

111 41.8 33.5 50.3

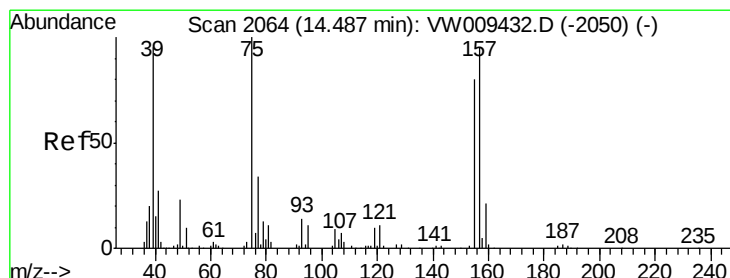
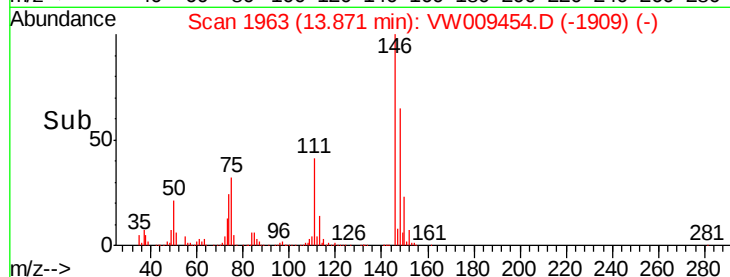
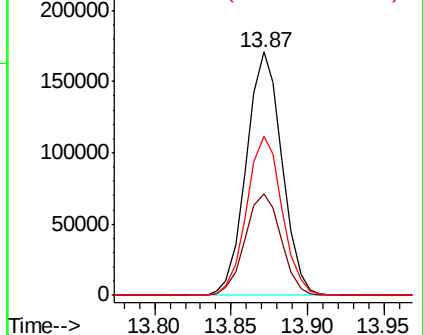
148 65.2 50.2 75.2



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: 28.120 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

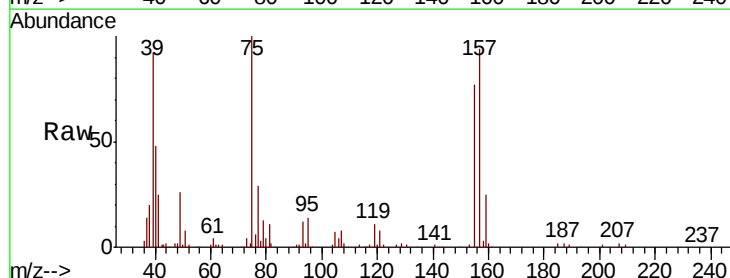
Tgt Ion: 75 Resp: 29803

Ion Ratio Lower Upper

75 100

157 94.0 89.0 133.4

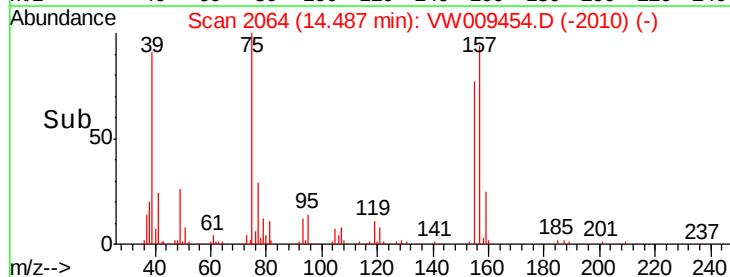
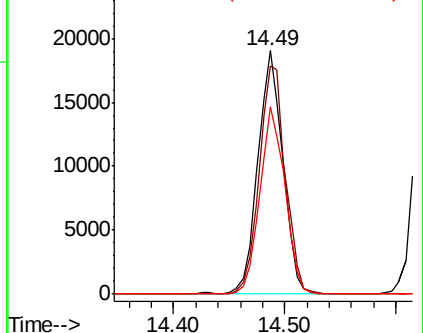
155 76.8 64.2 96.2

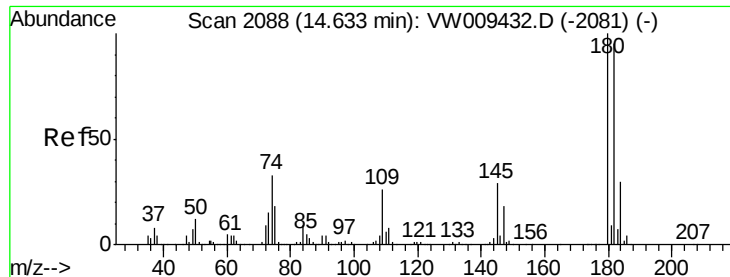


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

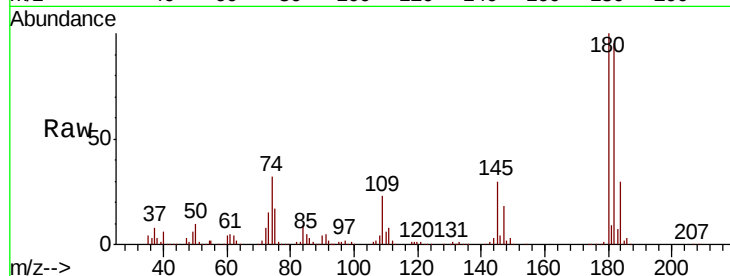




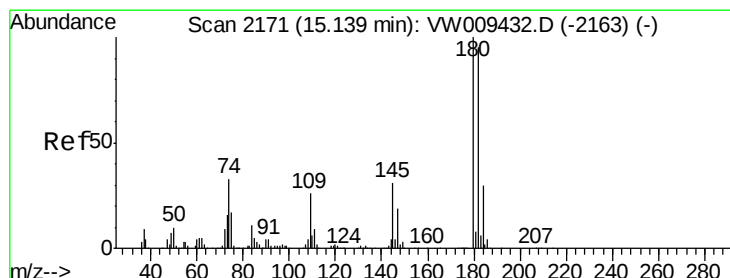
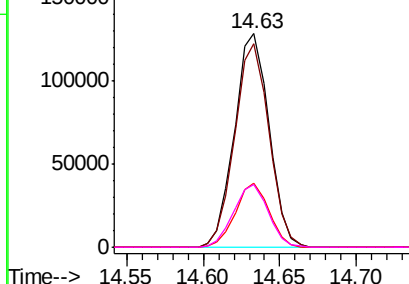
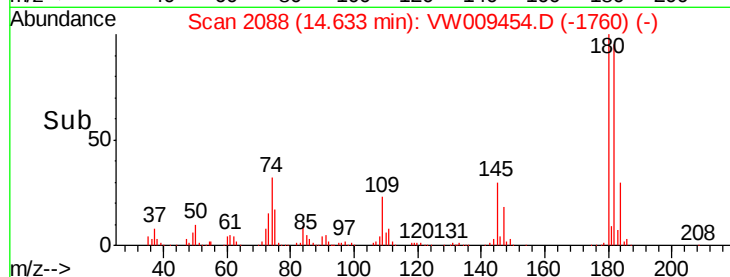
#67
 1,3,5-Trichlorobenzene
 Concen: 22.844 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	202052
Ion Ratio	Lower	Upper
180	100	
182	94.8	76.1 114.1
184	29.3	23.8 35.6
145	29.4	23.4 35.2

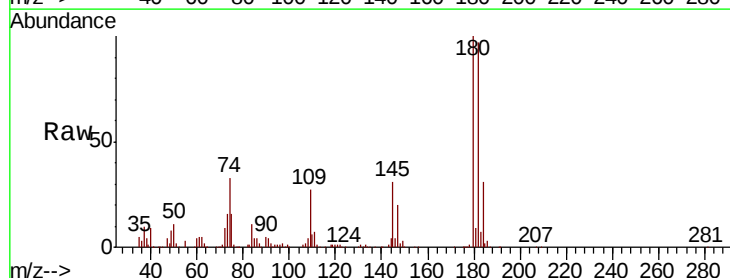


Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

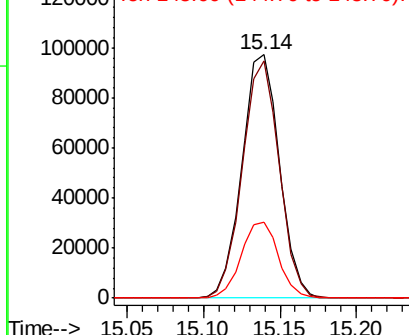
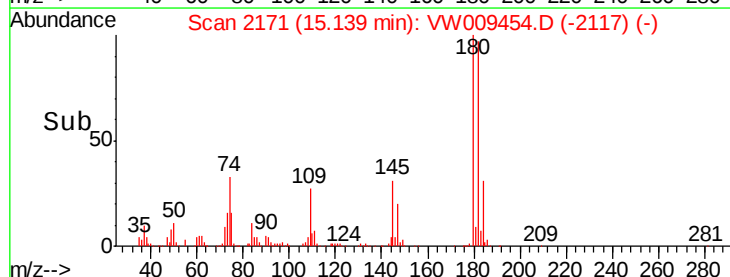


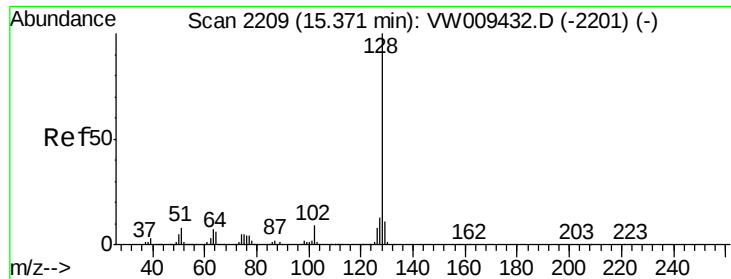
#68
 1,2,4-trichlorobenzene
 Concen: 22.339 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009454.D
 Acq: 26 Mar 2019 03:35

Tgt Ion:180	Resp:	165968
Ion Ratio	Lower	Upper
180	100	
182	95.2	75.5 113.3
145	31.2	24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.839 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

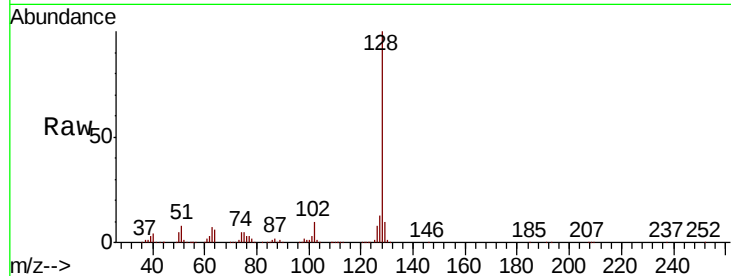
Tot Ion:128 Resp: 398008

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.7 11.1 16.7

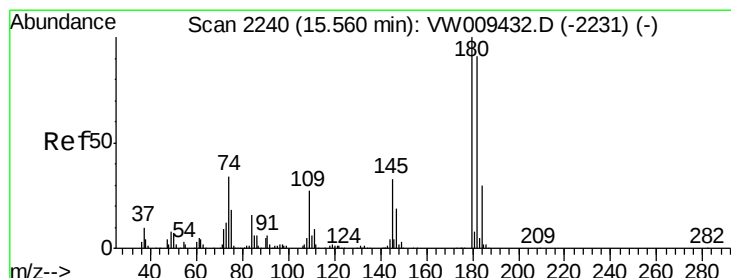
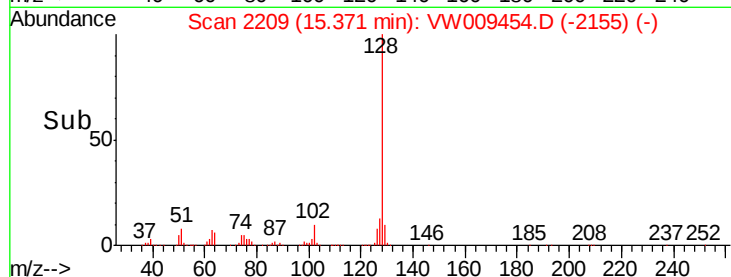
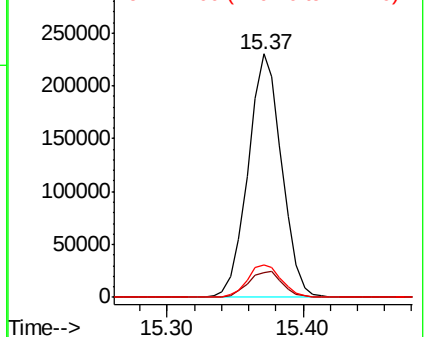


Abundance

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: 24.091 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009454.D

Acq: 26 Mar 2019 03:35

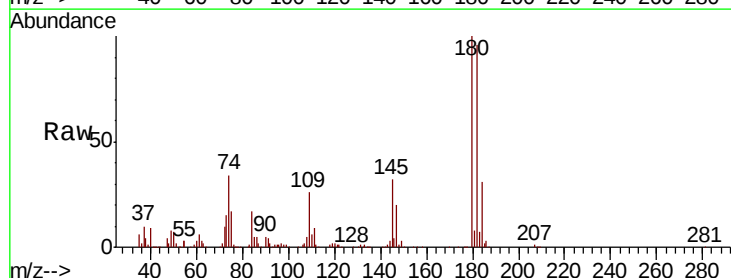
Tgt Ion:180 Resp: 167641

Ion Ratio Lower Upper

180 100

182 95.8 77.2 115.8

145 32.5 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

