

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081518\
 Data File : VW004686.D
 Acq On : 15 Aug 2018 01:37
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 16 02:19:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 01:09:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1125745	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1098019	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	557525	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	385460	21.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.16%
7) Chloroethane-d5	2.89	69	316951	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.64%
10) 1,1-Dichloroethene-d2	4.02	63	746578	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.24%
20) 2-Butanone-d5	7.09	46	232706	48.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.12%
24) Chloroform-d	7.65	84	744542	24.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	8.31	65	394937	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.84%
29) Benzene-d6	8.28	84	1516502	24.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.52%
33) 1,2-Dichloropropane-d6	9.28	67	479017	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.16%
37) Toluene-d8	10.33	98	1355288	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.12%
38) trans-1,3-Dichloropropene-	10.58	79	191614	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.68%
39) 2-Hexanone-d5	10.93	63	187706	49.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.22%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	424107	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	527338	24.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	314166	23.325	ug/L	95
3) Chloromethane	2.21	50	360340	22.556	ug/L	99
5) Vinyl chloride	2.37	62	526412	22.704	ug/L	98
6) Bromomethane	2.79	94	313221	23.570	ug/L	99
8) Chloroethane	2.93	64	303672	23.349	ug/L	97
9) Trichlorofluoromethane	3.26	101	230117	19.698	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	409178	23.832	ug/L	96
12) 1,1-Dichloroethene	4.04	96	400138	23.738	ug/L	97
13) Acetone	4.14	43	184941	41.629	ug/L	97
14) Carbon disulfide	4.38	76	1339241	22.788	ug/L	99
15) Methyl Acetate	4.67	43	229447	23.899	ug/L	99
16) Methylene chloride	4.92	84	488902	21.740	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	587528	26.689	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	423392	24.461	ug/L	96
19) 1,1-Dichloroethane	6.22	63	772832	25.236	ug/L	97
21) 2-Butanone	7.18	43	290537	46.760	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	471741	25.834	ug/L	99

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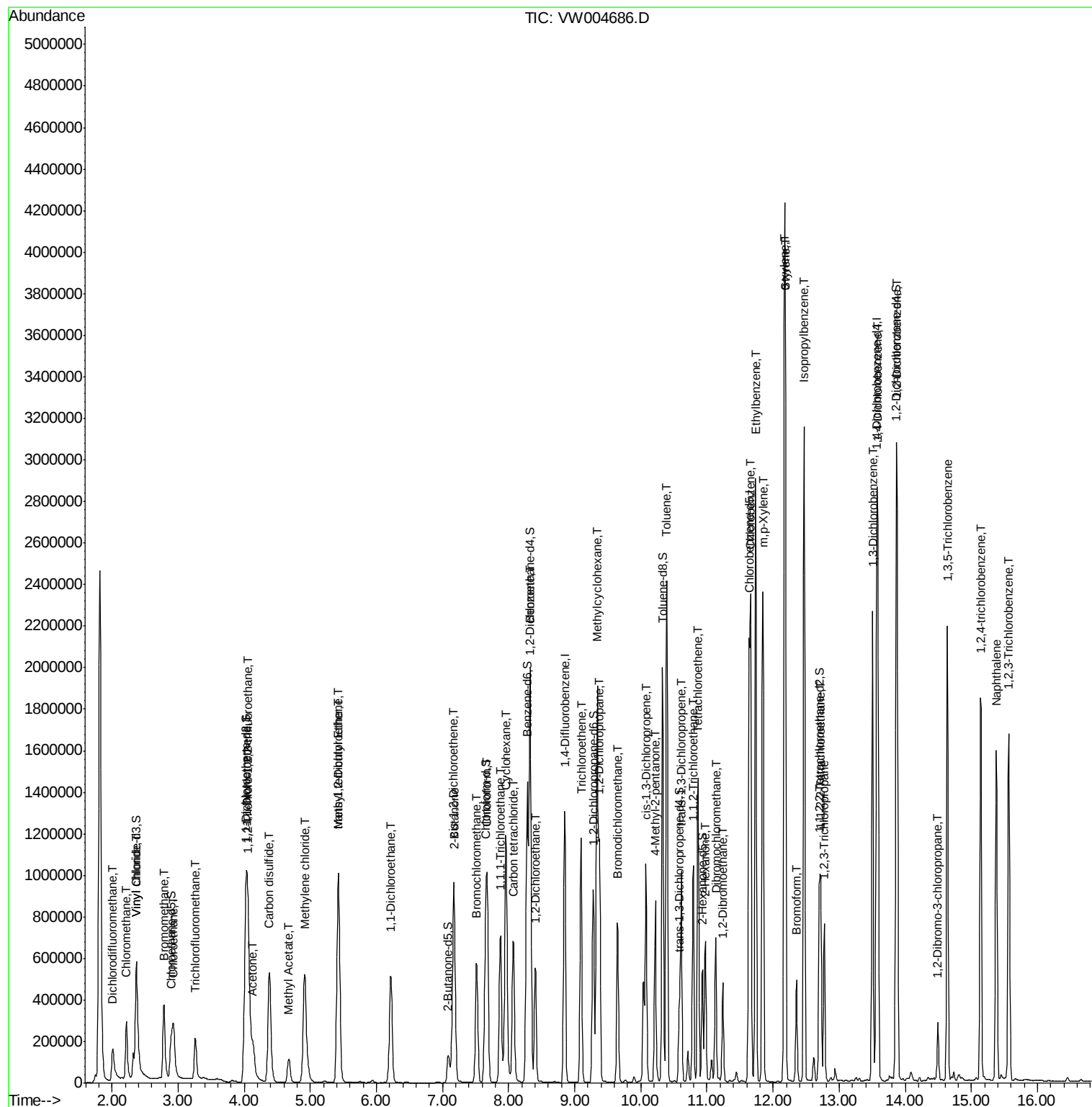
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	214949	25.235	ug/L	98
25) Chloroform	7.68	83	772146	25.338	ug/L	99
27) 1,2-Dichloroethane	8.40	62	502328	25.496	ug/L	99
30) Cyclohexane	7.96	56	719957	25.089	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	601115	24.471	ug/L	99
32) Carbon tetrachloride	8.07	117	546382	23.378	ug/L	100
34) Benzene	8.33	78	1771264	25.342	ug/L	100
35) Trichloroethene	9.10	95	433273	24.633	ug/L	99
36) Methylcyclohexane	9.34	83	808815	24.645	ug/L	100
40) 1,2-Dichloropropane	9.37	63	455230	25.669	ug/L	100
41) Bromodichloromethane	9.65	83	523296	25.254	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	640640	25.954	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	583620	49.699	ug/L	99
44) Toluene	10.39	91	1819267	25.705	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	561961	25.820	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	339048	25.294	ug/L	99
47) Tetrachloroethene	10.87	164	346680	23.757	ug/L	98
49) 2-Hexanone	10.98	43	418286	48.908	ug/L	99
50) Dibromochloromethane	11.13	129	376445	24.967	ug/L	99
51) 1,2-Dibromoethane	11.24	107	325853	25.216	ug/L	95
52) Chlorobenzene	11.66	112	1196908	25.329	ug/L	99
53) Ethylbenzene	11.74	91	2050035	26.003	ug/L	100
54) m,p-Xylene	11.85	106	784658	26.190	ug/L	98
55) o-xylene	12.17	106	761409	26.889	ug/L	99
56) Styrene	12.19	104	1323853	27.257	ug/L	100
57) Isopropylbenzene	12.47	105	2024143	26.395	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	446687	24.165	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	327990	24.101	ug/L	100
62) Bromoform	12.35	173	233498	24.367	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	936668	26.194	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	964360	25.247	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	909593	25.790	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	69782	23.478	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	734001	25.516	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	615670	26.419	ug/L	99
69) Naphthalene	15.38	128	1346322	28.069	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	594368	26.721	ug/L	99

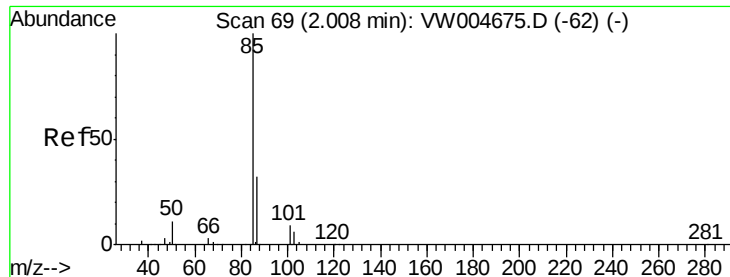
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.325 ug/L

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

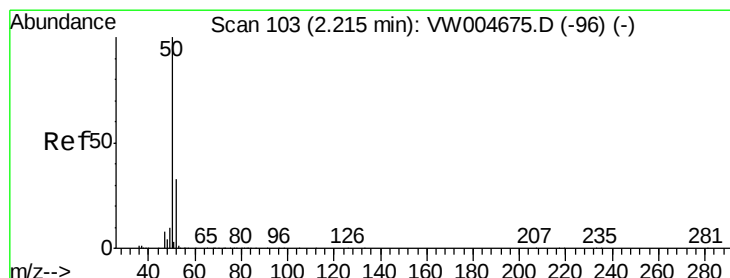
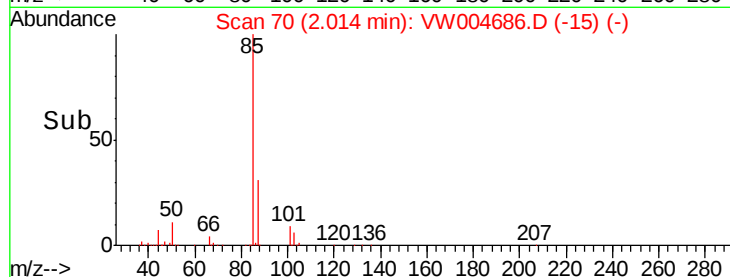
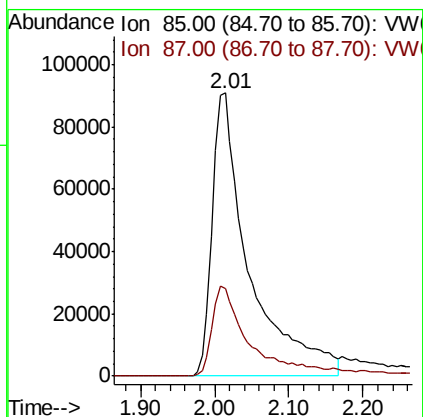
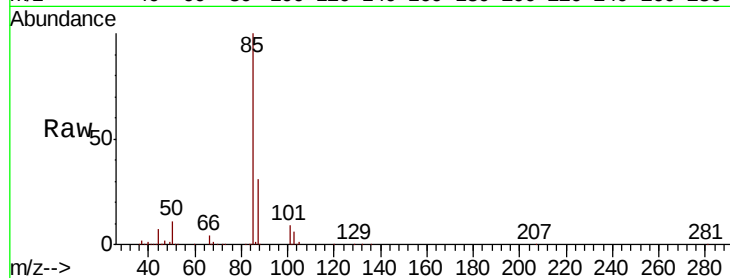
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 314166

Ion Ratio Lower Upper

85 100

87 26.1 19.9 37.0



#3

Chloromethane

Concen: 22.556 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004686.D

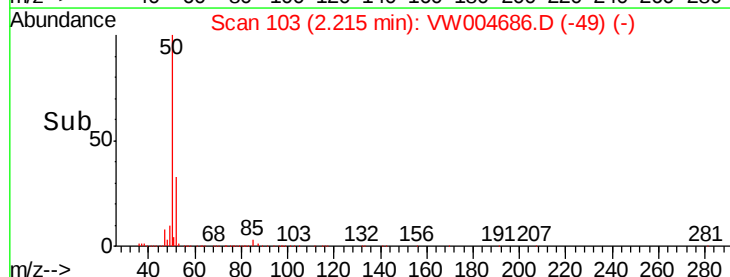
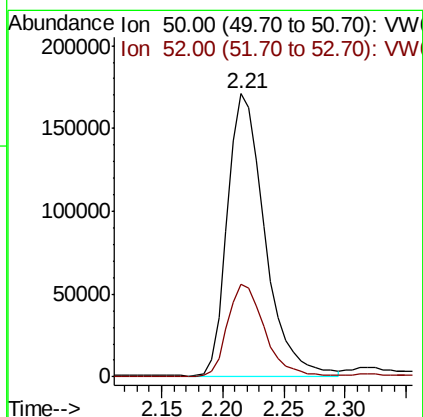
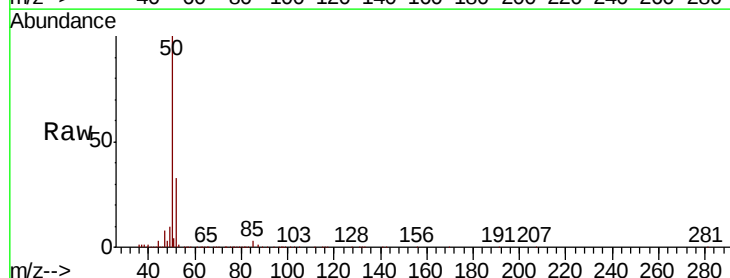
Acq: 15 Aug 2018 01:37

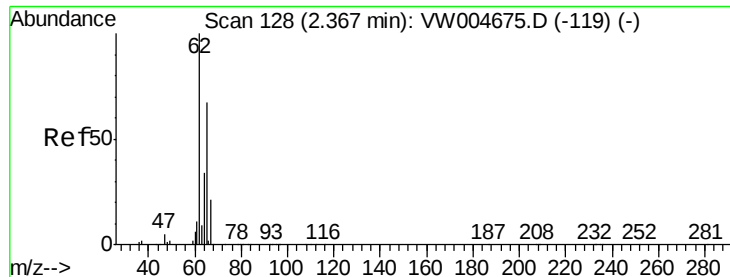
Tgt Ion: 50 Resp: 360340

Ion Ratio Lower Upper

50 100

52 32.6 22.4 41.6





#5

Vinyl chloride

Concen: 22.704 ug/L

RT: 2.37 min Scan# 129

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

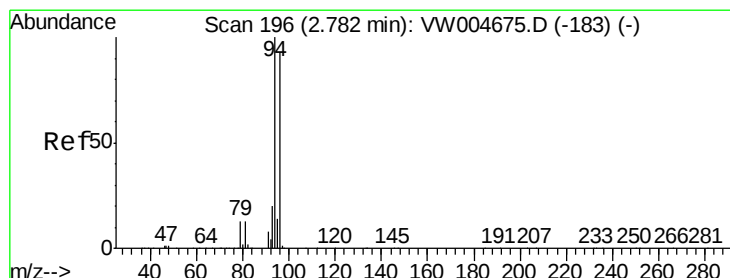
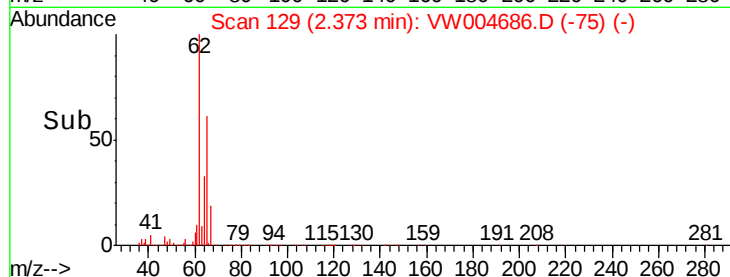
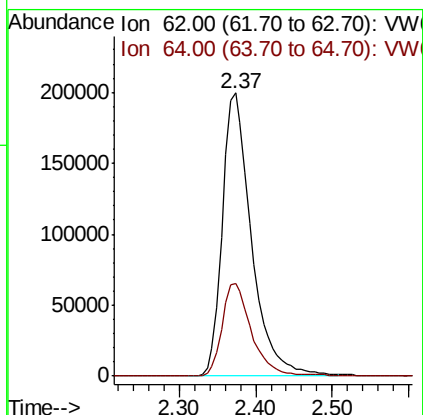
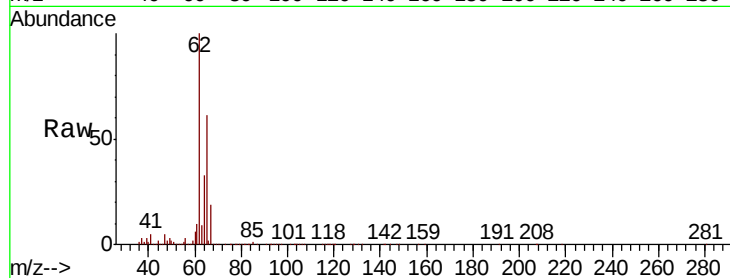
ClientSampled :

Tot Ion: 62 Resp: 526412

Ion Ratio Lower Upper

62 100

64 32.7 23.7 43.9



#6

Bromomethane

Concen: 23.570 ug/L

RT: 2.79 min Scan# 197

Delta R.T. -0.00 min

Lab File: VW004686.D

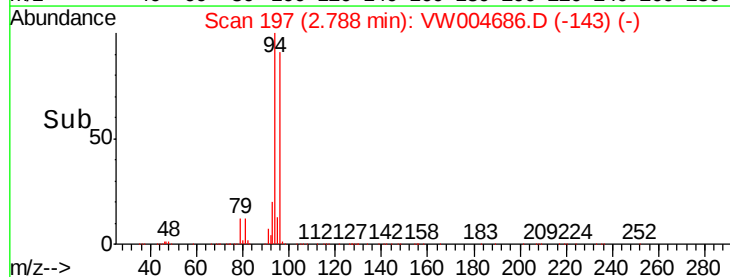
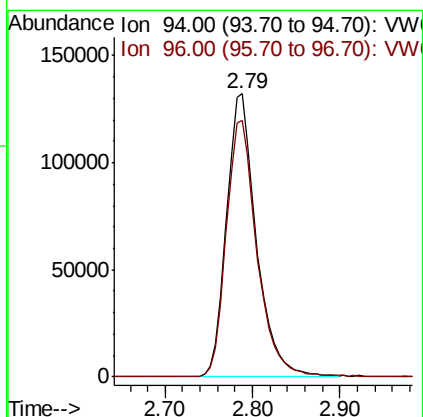
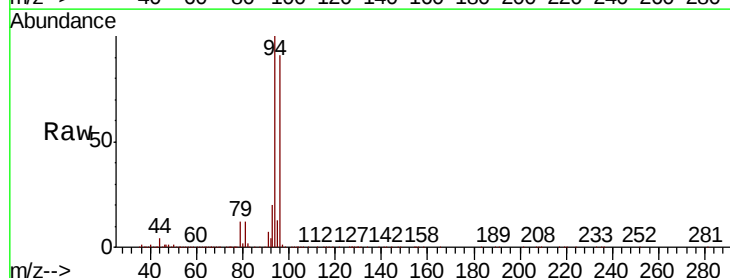
Acq: 15 Aug 2018 01:37

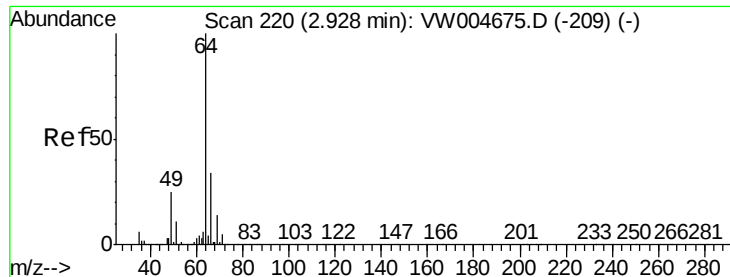
Tgt Ion: 94 Resp: 313221

Ion Ratio Lower Upper

94 100

96 92.6 9.3 177.7





#8

Chloroethane

Concen: 23.349 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

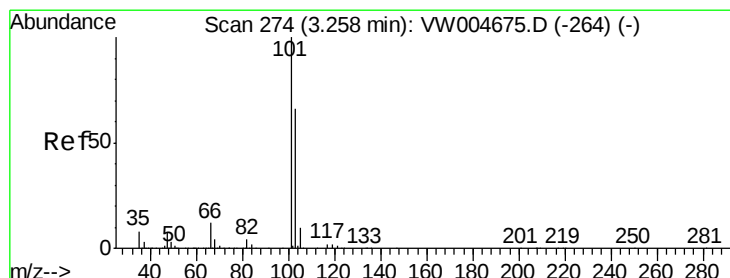
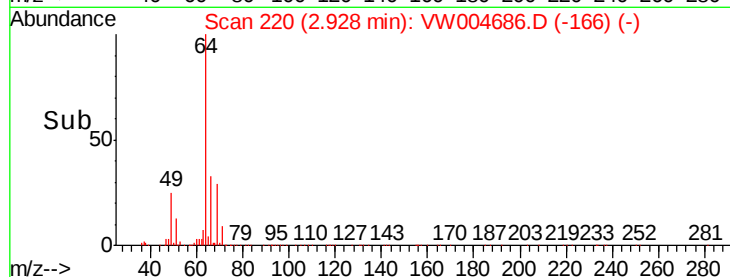
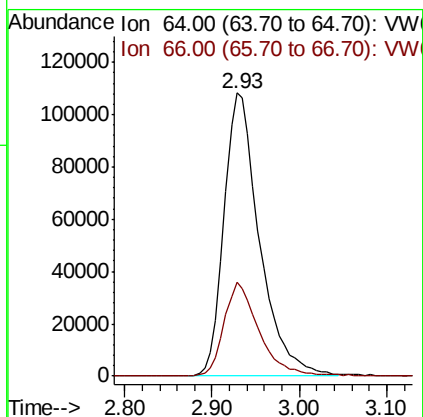
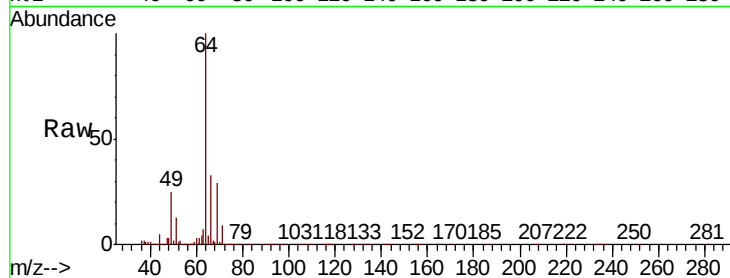
ClientSampleId :

Tot Ion: 64 Resp: 303672

Ion Ratio Lower Upper

64 100

66 33.0 24.2 45.0



#9

Trichlorofluoromethane

Concen: 19.698 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004686.D

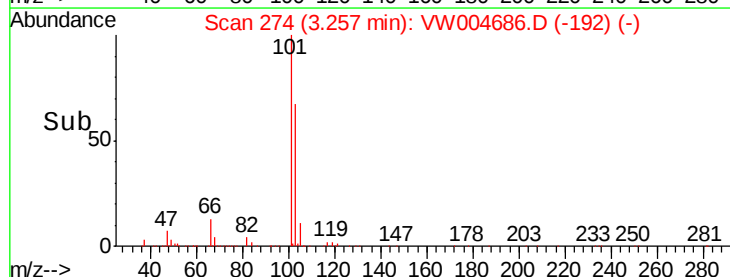
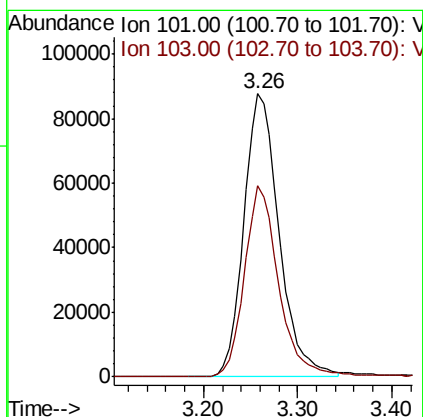
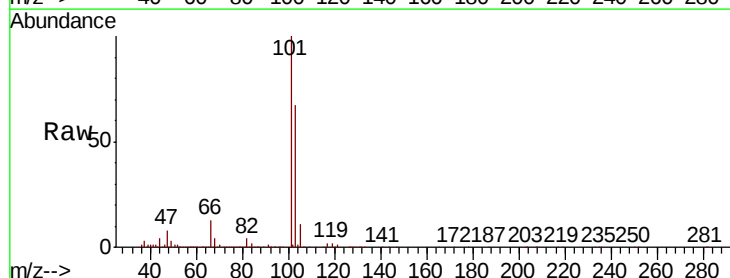
Acq: 15 Aug 2018 01:37

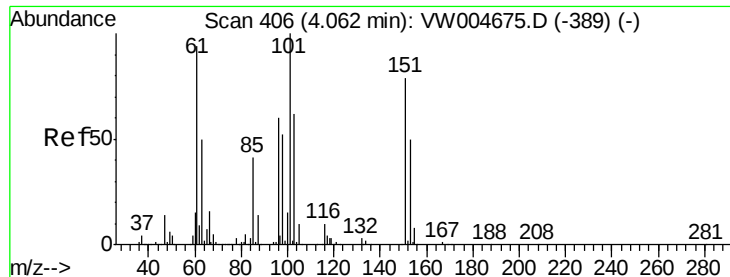
Tgt Ion: 101 Resp: 230117

Ion Ratio Lower Upper

101 100

103 65.5 45.1 83.7





#11

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

Concen: 23.832 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

ClientSampleId :

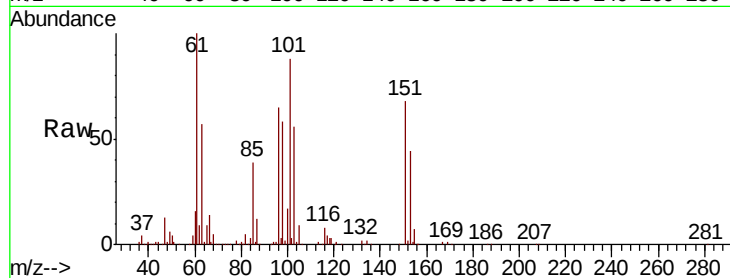
Tot Ion:101 Resp: 409178

Ion Ratio Lower Upper

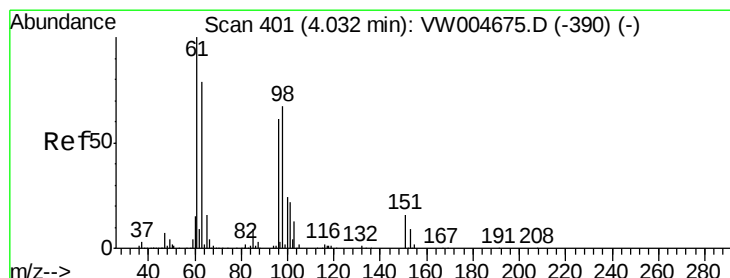
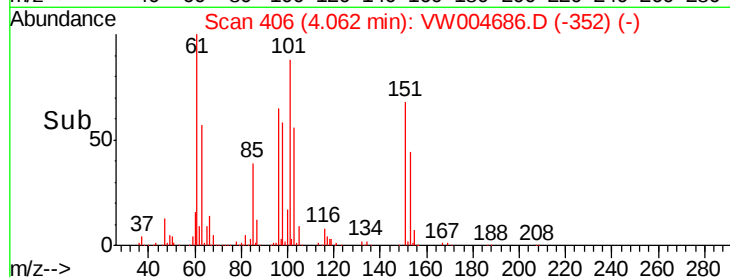
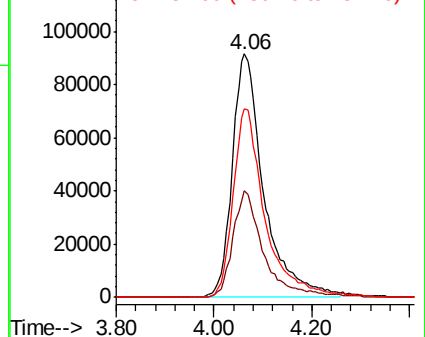
101 100

85 41.8 33.2 49.8

151 74.3 63.0 94.6



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



#12

1,1-Dichloroethene

Concen: 23.738 ug/L

RT: 4.04 min Scan# 402

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

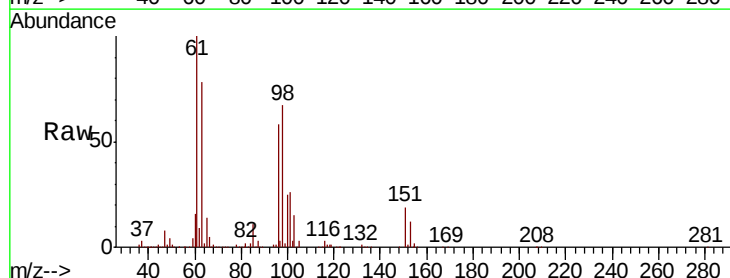
Tgt Ion: 96 Resp: 400138

Ion Ratio Lower Upper

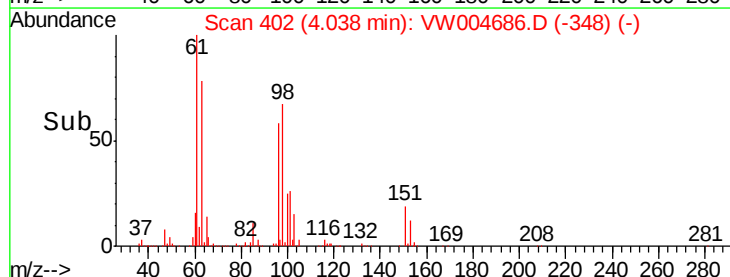
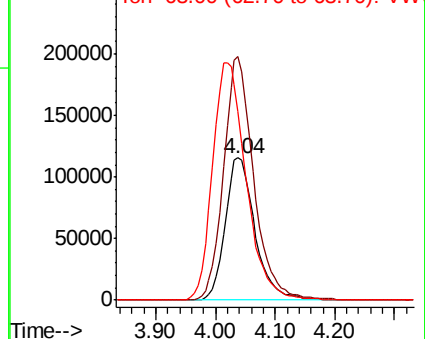
96 100

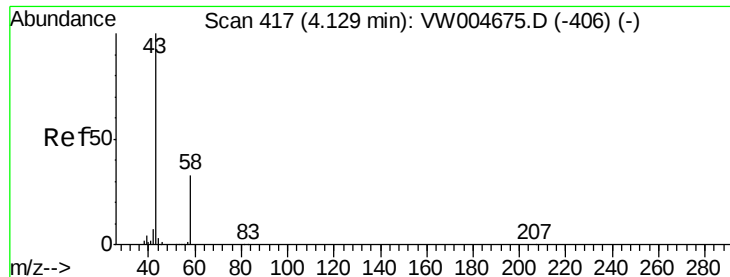
61 171.2 118.9 220.7

63 132.8 88.9 165.1



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

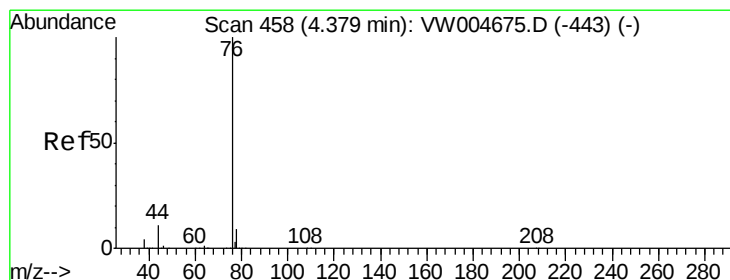
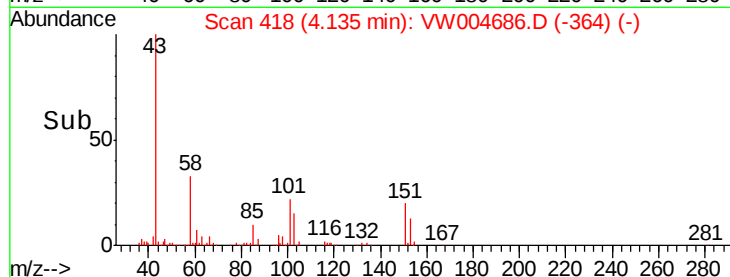
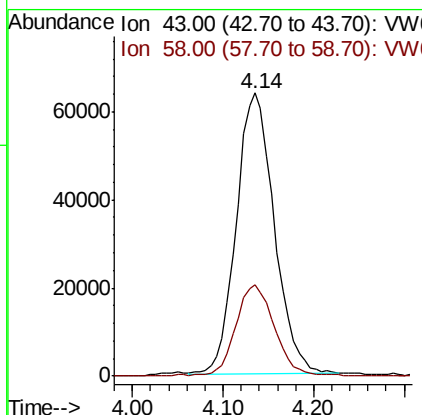
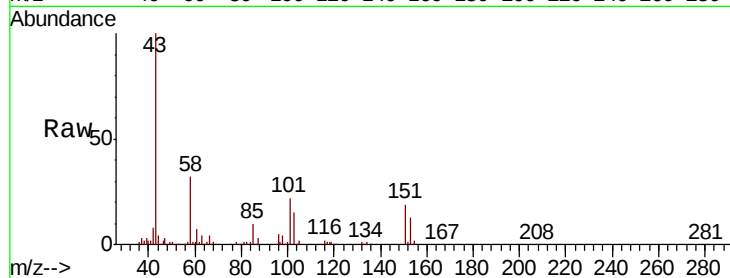




#13
Acetone
Concen: 41.629 ug/L
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

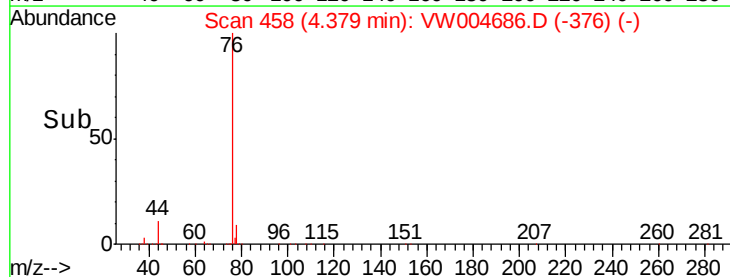
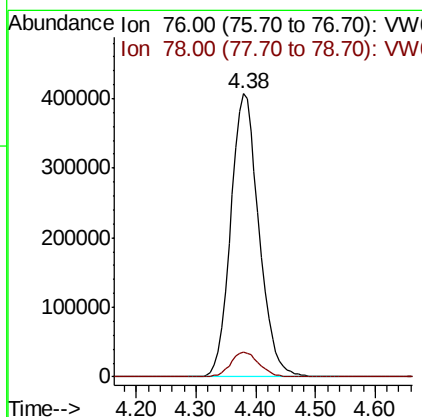
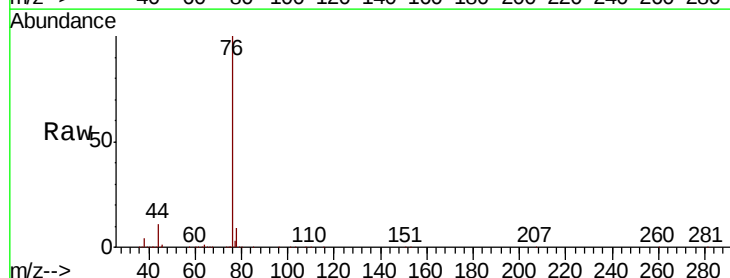
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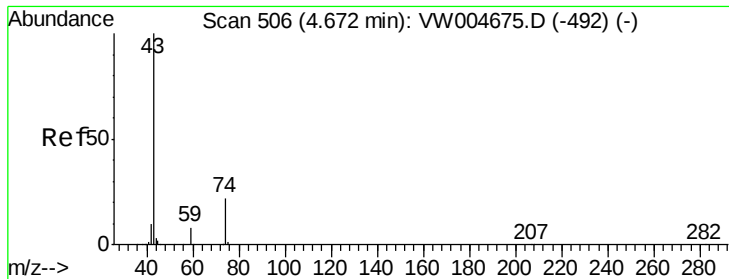
Tot Ion: 43 Resp: 184941
Ion Ratio Lower Upper
43 100
58 32.9 0.0 69.4



#14
Carbon disulfide
Concen: 22.788 ug/L
RT: 4.38 min Scan# 458
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

Tgt Ion: 76 Resp: 1339241
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

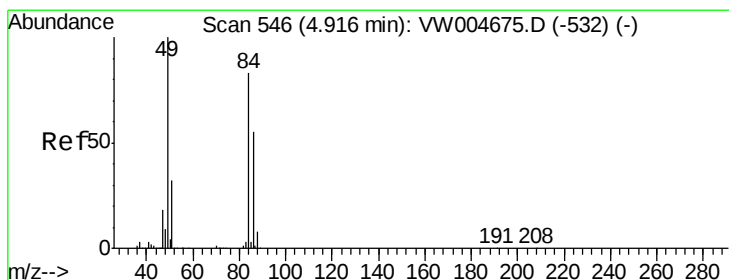
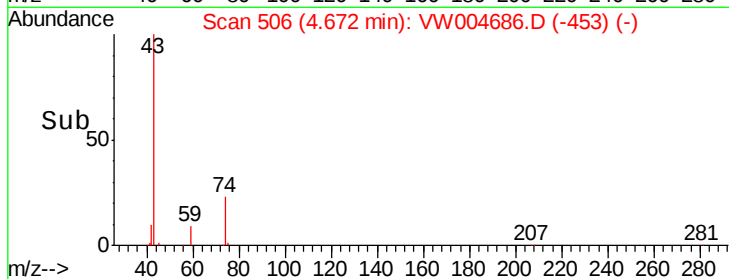
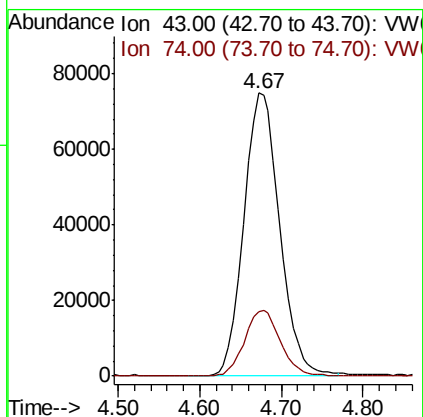
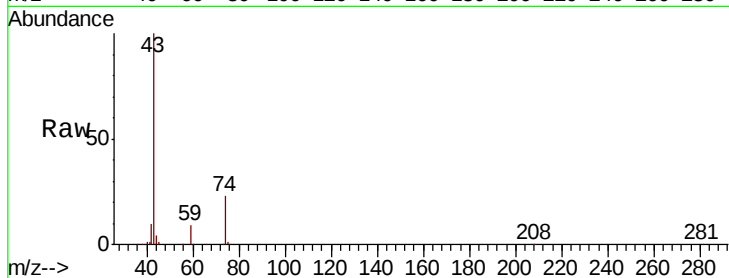




#15
Methvl Acetate
Concen: 23.899 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

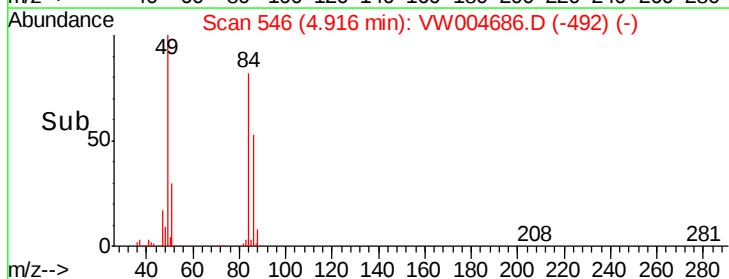
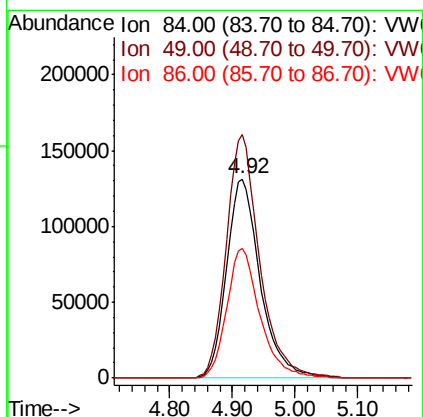
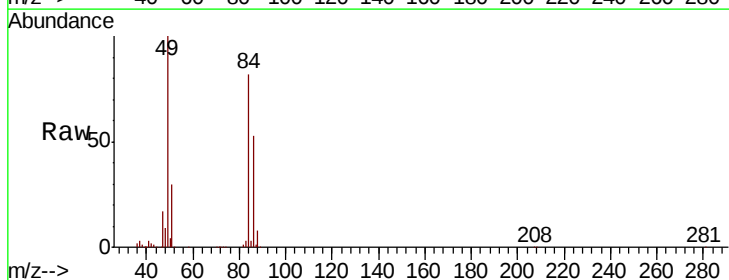
Instrument :
MSVOA_W
ClientSampleId :

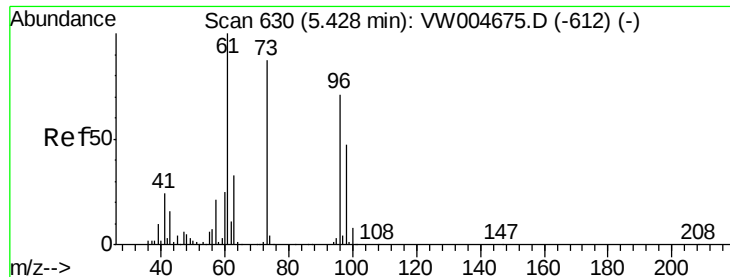
Tot Ion: 43 Resp: 229447
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2



#16
Methylene chloride
Concen: 21.740 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

Tgt Ion: 84 Resp: 488902
Ion Ratio Lower Upper
84 100
49 122.2 84.9 157.7
86 65.0 45.7 84.9

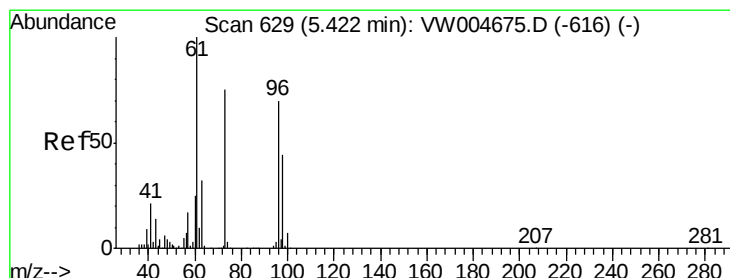
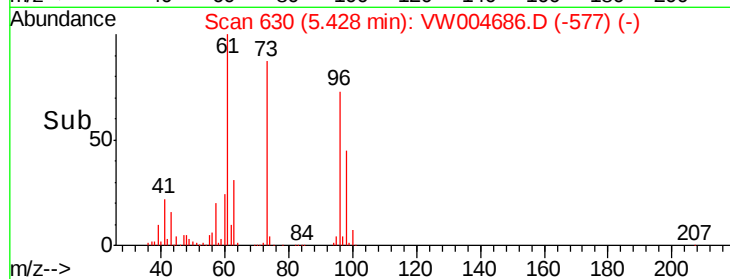
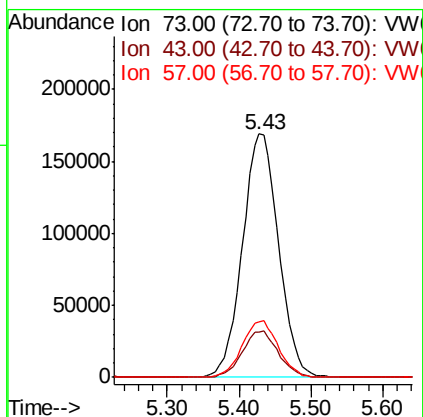
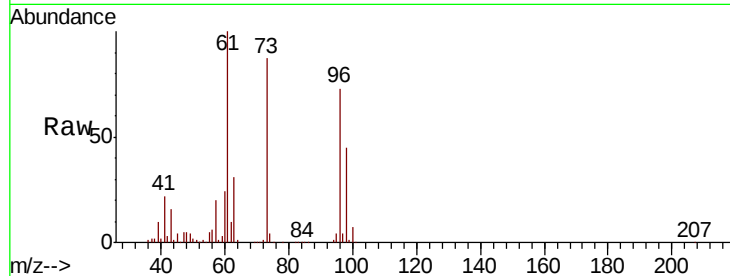




#17
Methvl tert-butvl Ether
Concen: 26.689 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

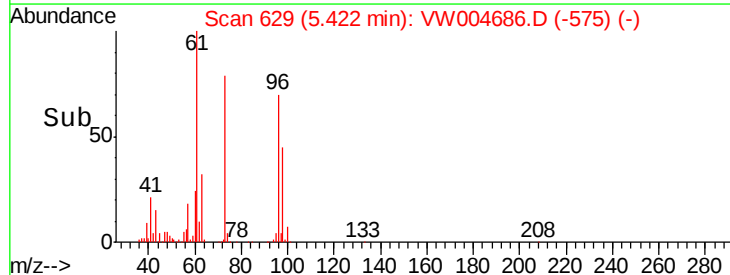
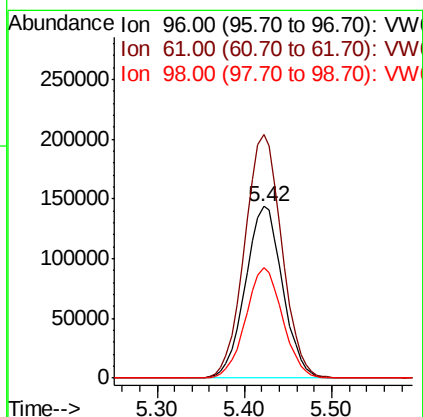
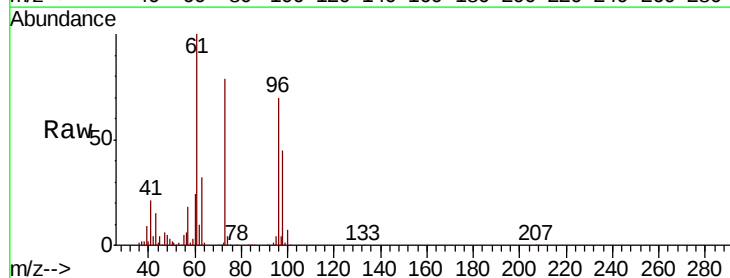
Instrument :
MSVOA_W
ClientSampleId :

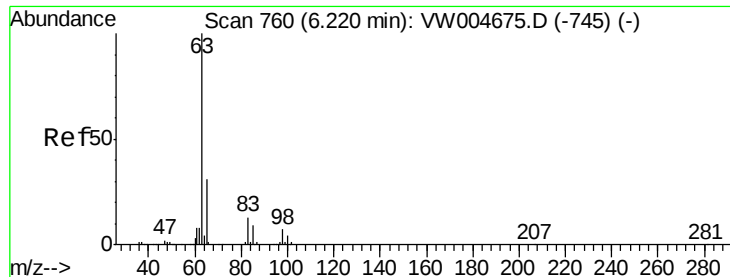
Tot Ion: 73 Resp: 587528
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.6
57 23.2 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 24.461 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

Tgt Ion: 96 Resp: 423392
Ion Ratio Lower Upper
96 100
61 142.0 96.1 178.5
98 64.4 43.3 80.5

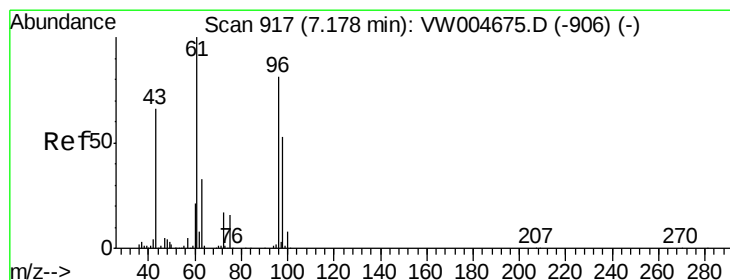
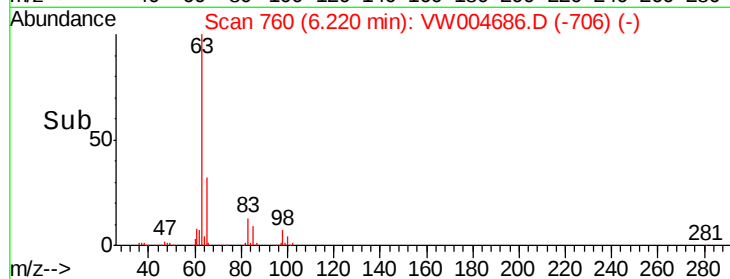
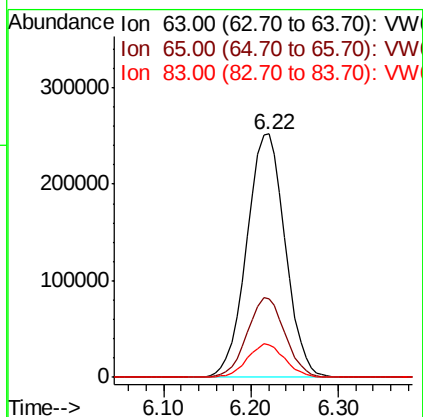
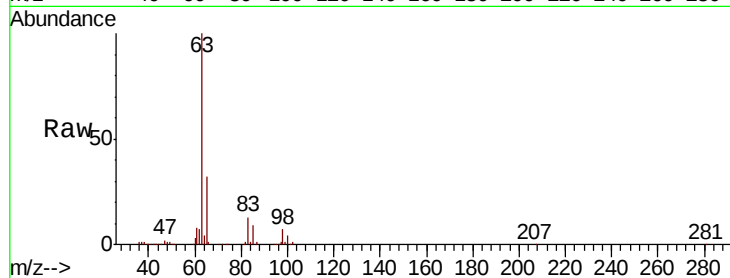




#19
 1,1-Dichloroethane
 Concen: 25.236 ug/L
 RT: 6.22 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

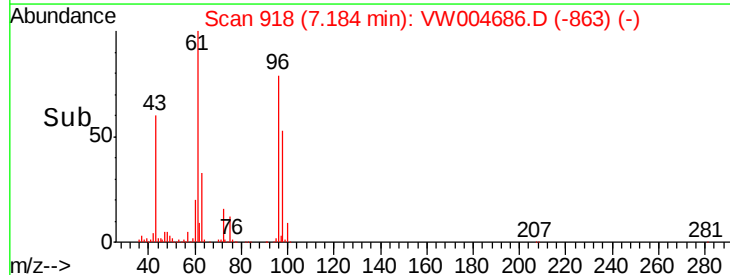
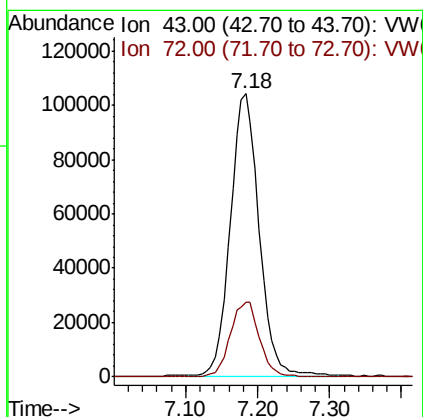
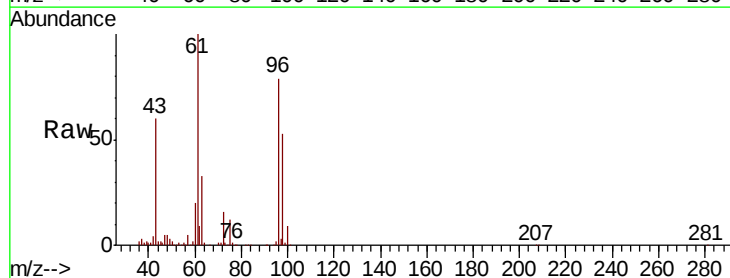
Instrument :
 MSVOA_W
 ClientSampleId :

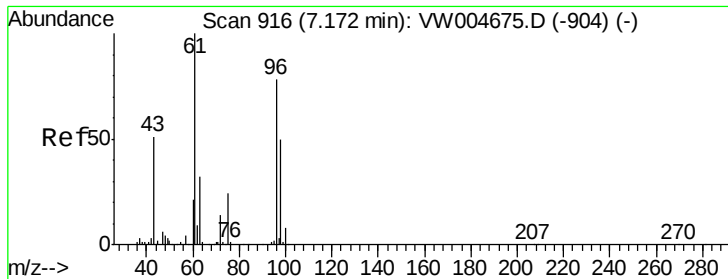
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.2	39.4
83	13.3	9.2	17.0



#21
 2-Butanone
 Concen: 46.760 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.7	14.1	42.2



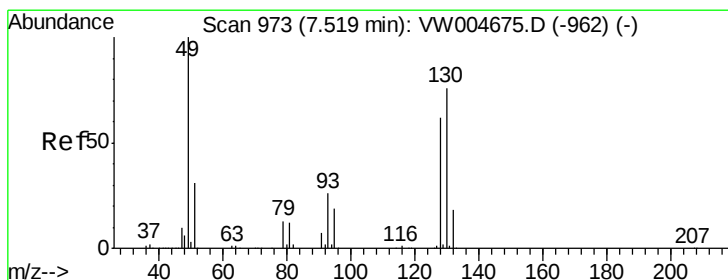
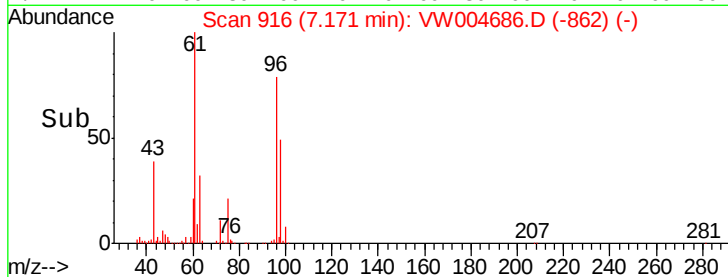
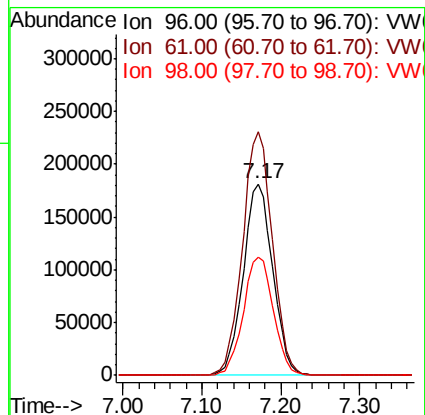
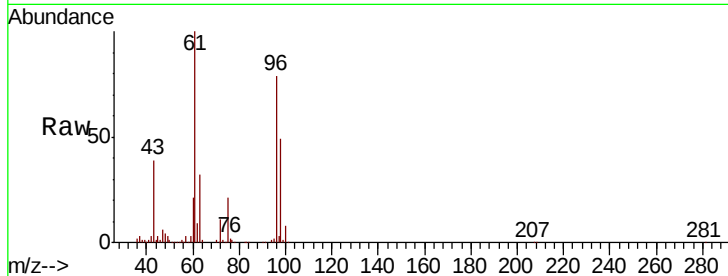


#22

cis-1,2-Dichloroethene
 Concen: 25.834 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Instrument :
 MSVOA_W
 ClientSampleId :

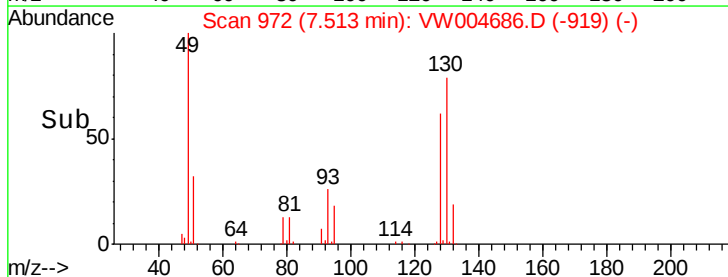
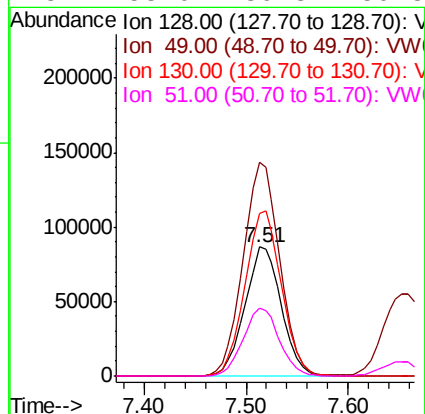
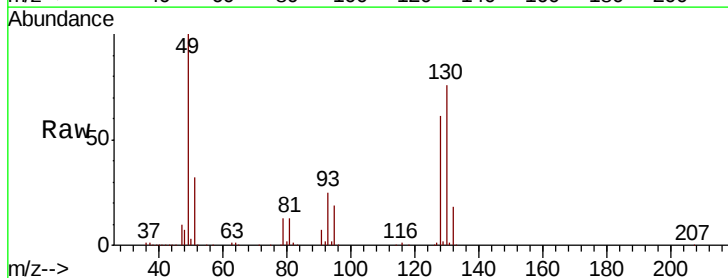
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	89.6	166.4
98	61.6	44.5	82.7

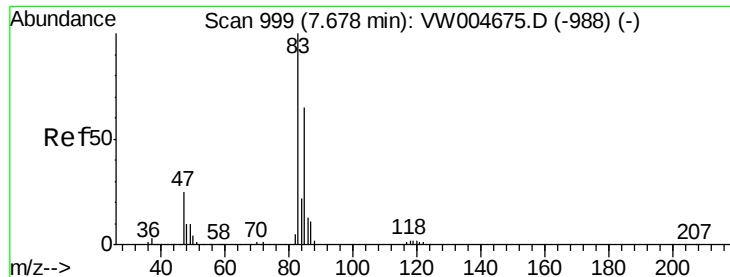


#23

Bromochloromethane
 Concen: 25.235 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.3	116.0	215.4
130	126.2	86.6	160.8
51	53.0	39.8	59.8





#25

Chloroform

Concen: 25.338 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

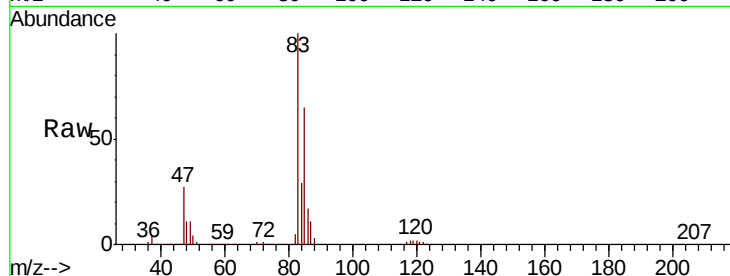
ClientSampleId :

Tot Ion: 83 Resp: 772146

Ion Ratio Lower Upper

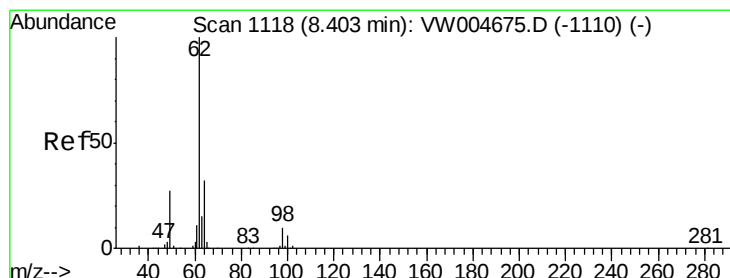
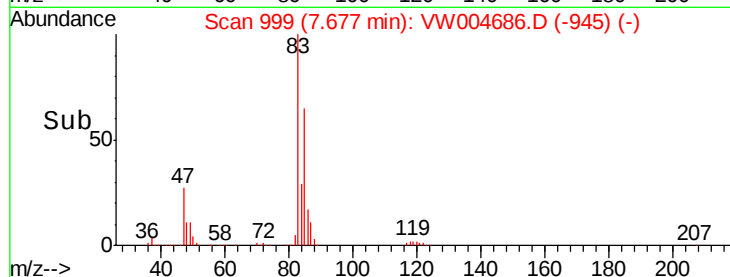
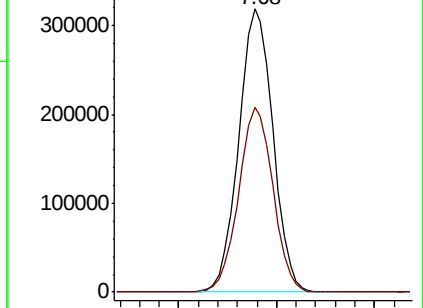
83 100

85 65.9 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 25.496 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004686.D

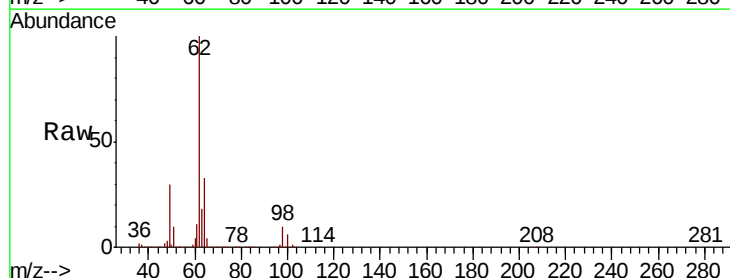
Acq: 15 Aug 2018 01:37

Tgt Ion: 62 Resp: 502328

Ion Ratio Lower Upper

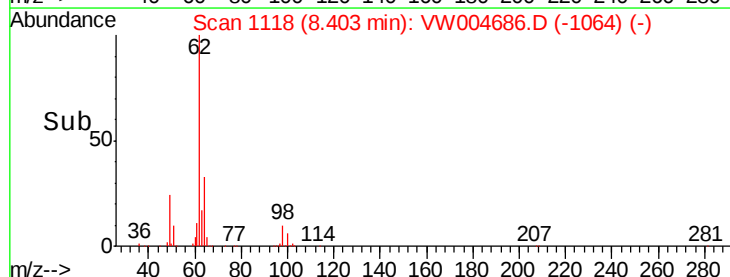
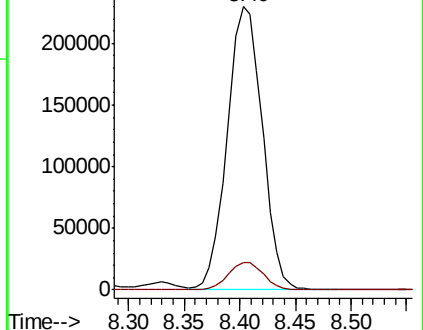
62 100

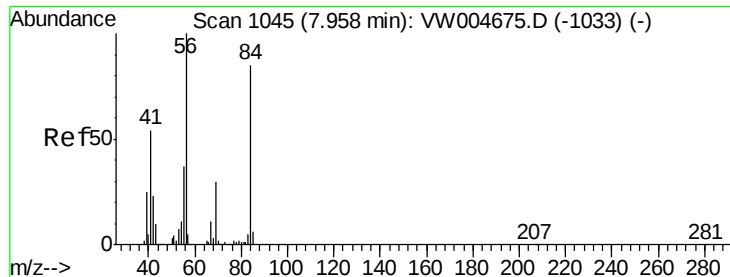
98 9.5 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

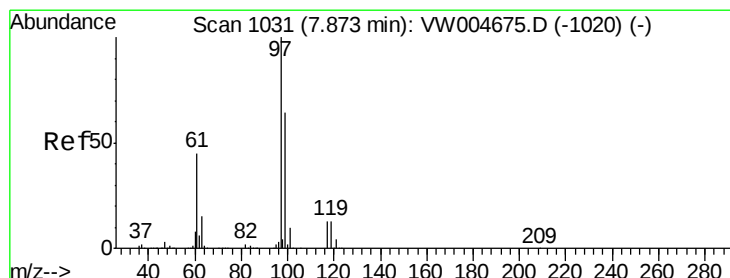
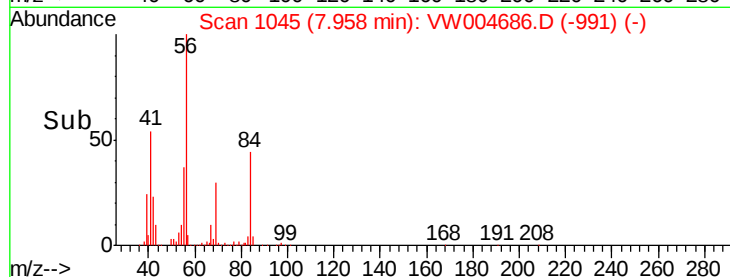
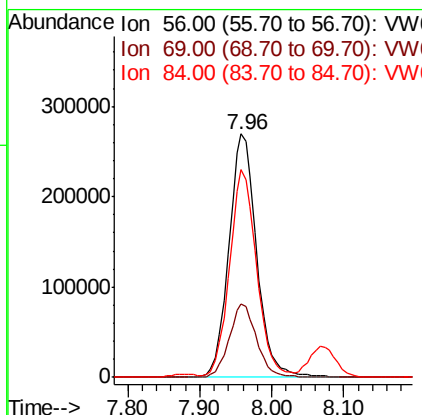
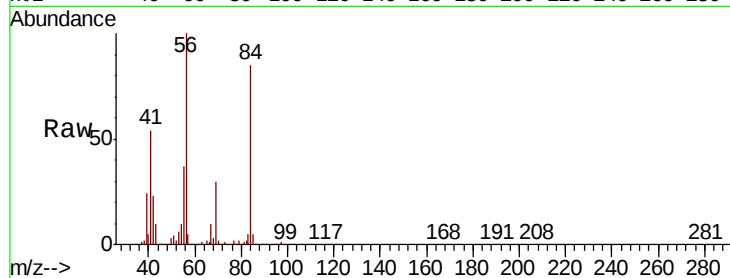




#30
Cyclohexane
Concen: 25.089 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

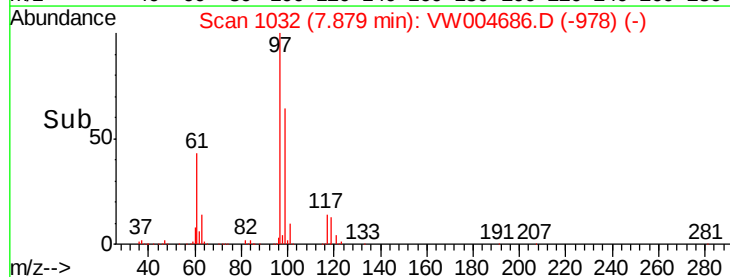
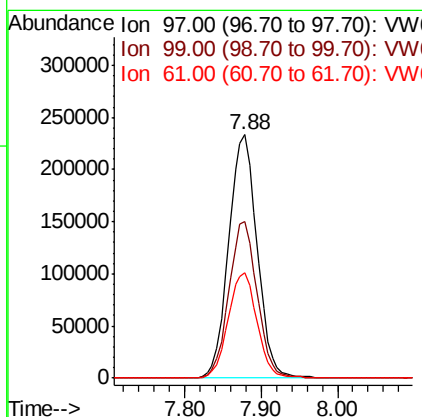
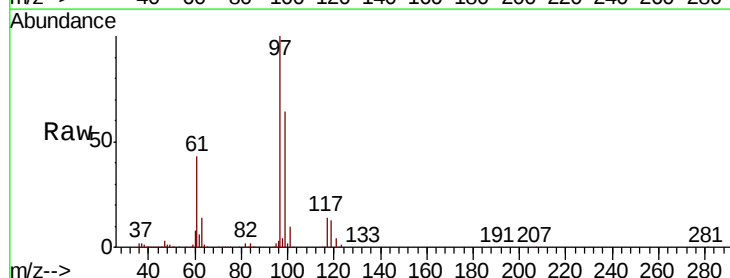
Instrument :
MSVOA_W
ClientSampled :

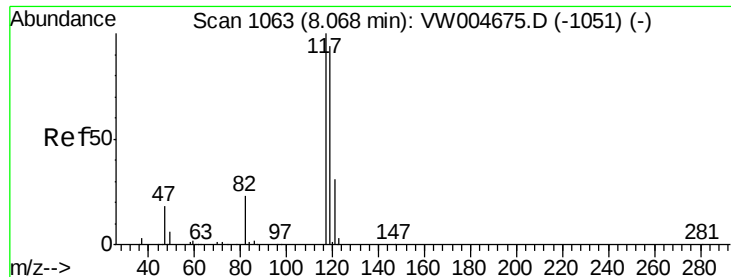
Tot Ion	56	Resp	719957
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.9	35.9
84	83.4	66.4	99.6



#31
1,1,1-Trichloroethane
Concen: 24.471 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

Tgt Ion	97	Resp	601115
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	43.8	35.6	53.4





#32

Carbon tetrachloride

Concen: 23.378 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

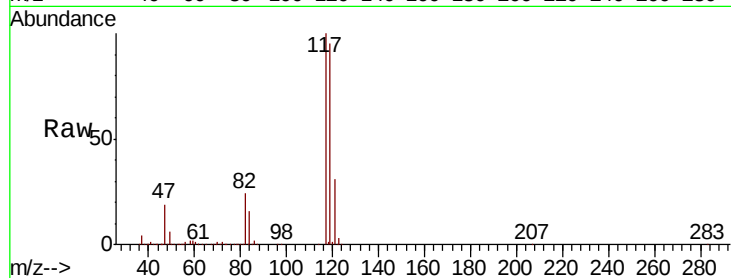
ClientSampleId :

Tot Ion:117 Resp: 546382

Ion Ratio Lower Upper

117 100

119 95.7 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

250000

200000

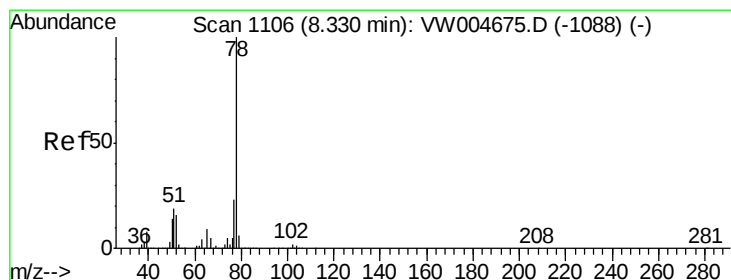
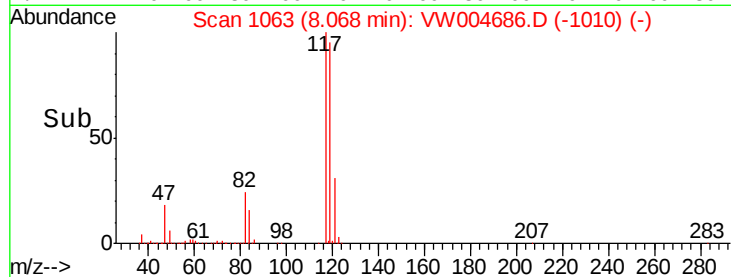
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.342 ug/L

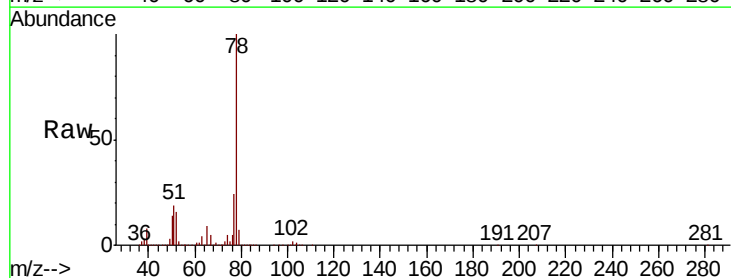
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Tgt Ion: 78 Resp: 1771264



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

800000

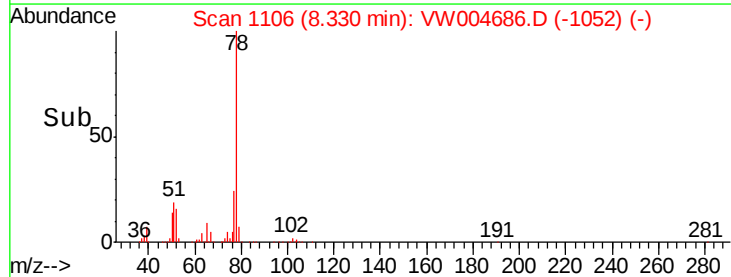
600000

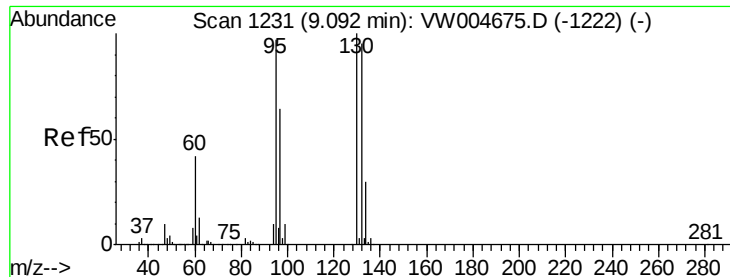
400000

200000

0

Time-->

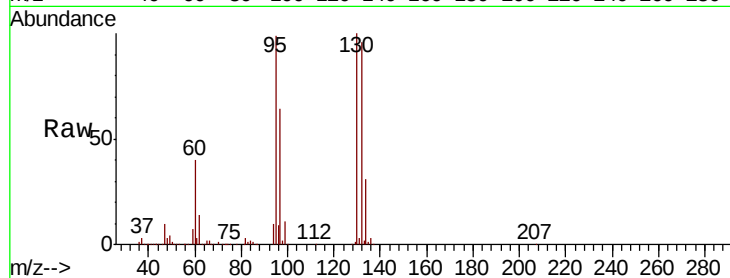




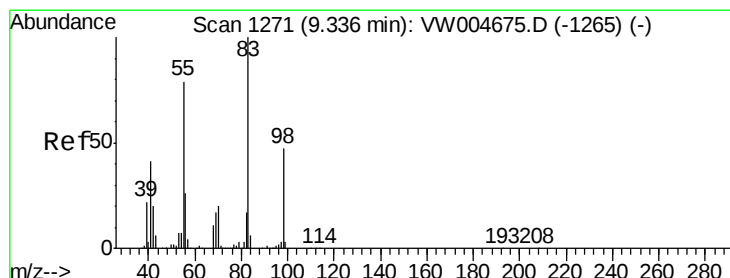
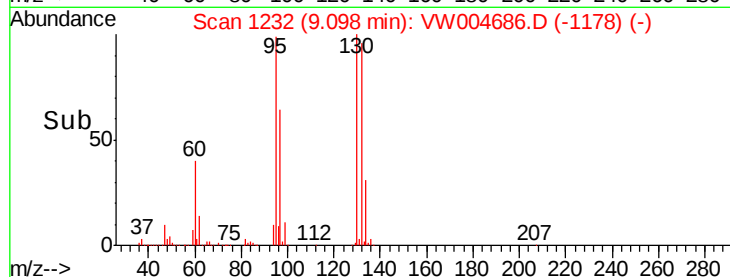
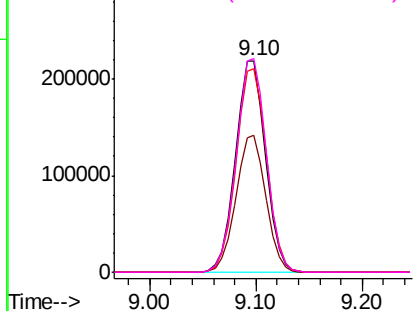
#35
 Trichloroethene
 Concen: 24.633 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 433273
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.1 83.9
 132 97.5 68.8 127.8
 130 101.5 71.5 132.9

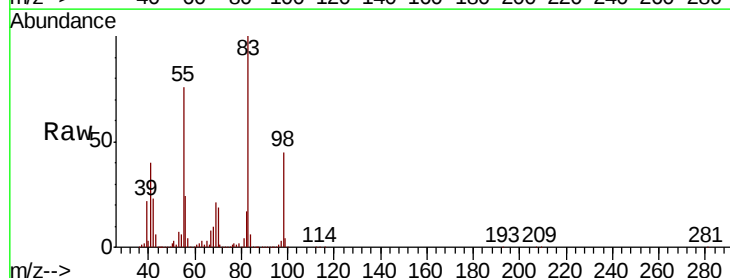


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

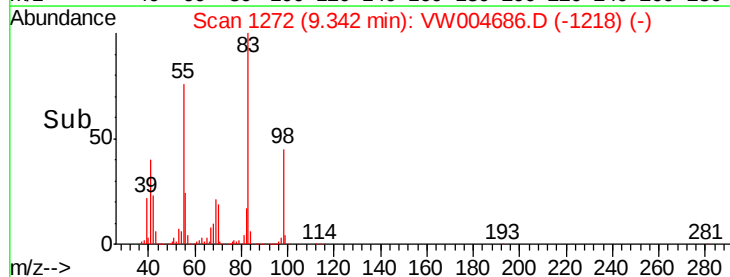
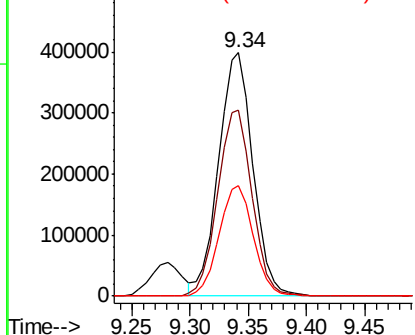


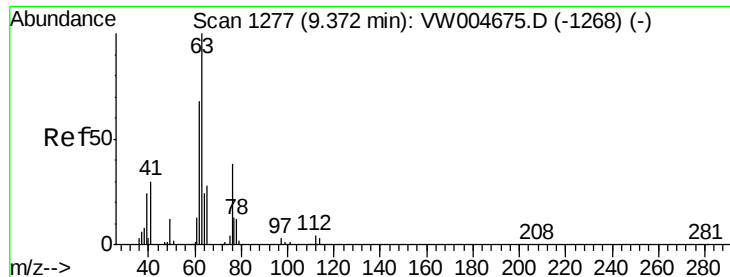
#36
 Methylcyclohexane
 Concen: 24.645 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Tgt Ion: 83 Resp: 808815
 Ion Ratio Lower Upper
 83 100
 55 77.1 61.4 92.2
 98 45.7 36.2 54.4



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

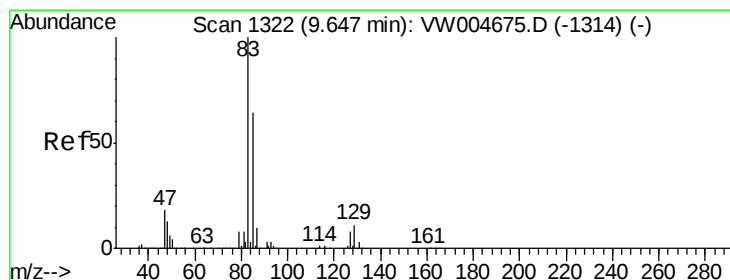
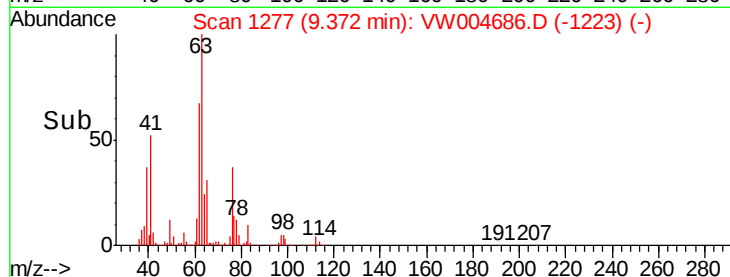
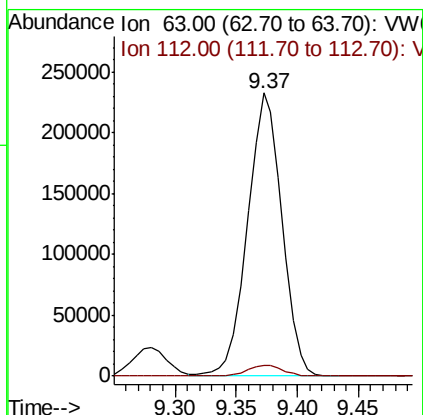
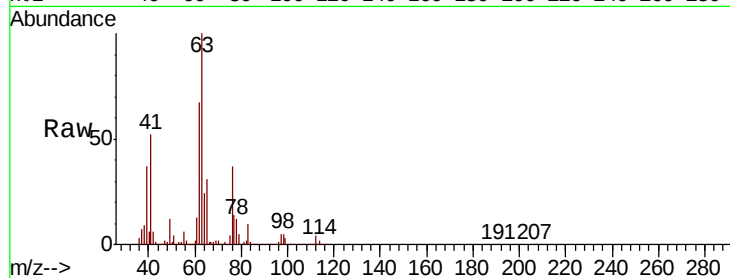




#40
 1,2-Dichloropropane
 Concen: 25.669 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

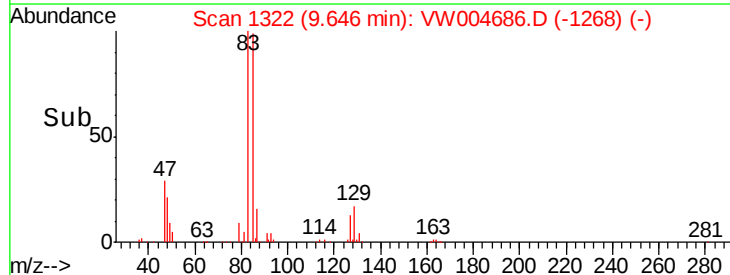
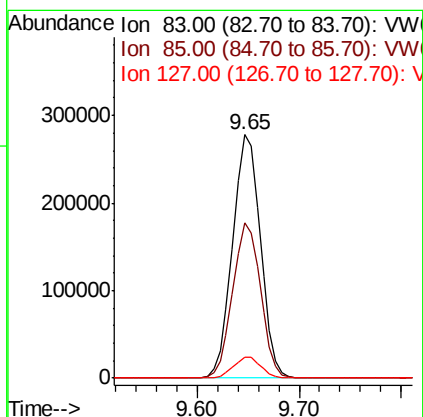
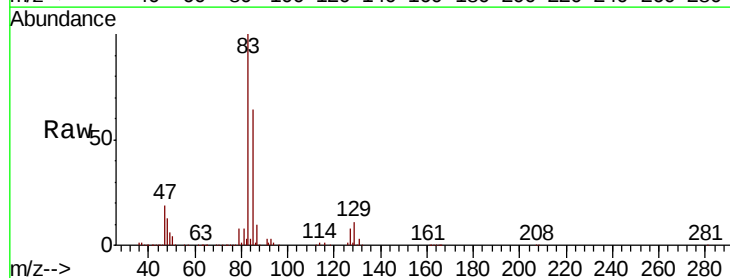
Instrument :
 MSVOA_W
 ClientSampled :

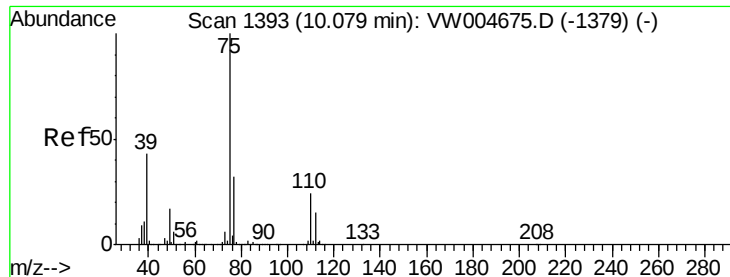
Tot Ion: 63 Resp: 455230
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.254 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Tgt Ion: 83 Resp: 523296
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.9 83.5
 127 8.3 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.954 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

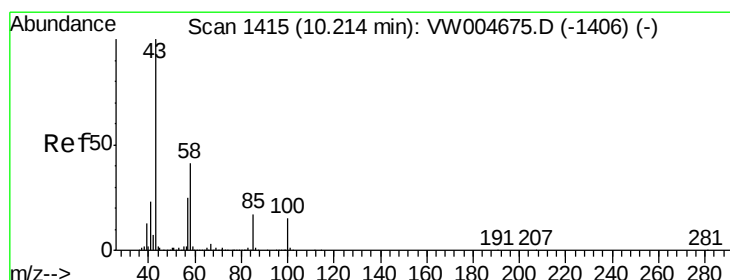
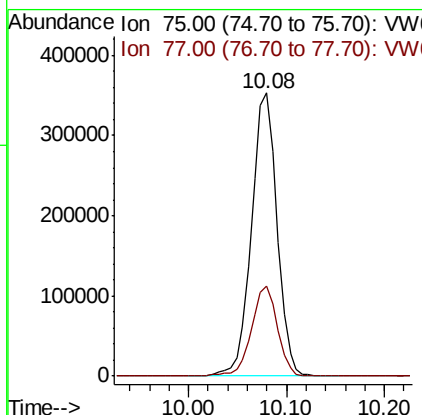
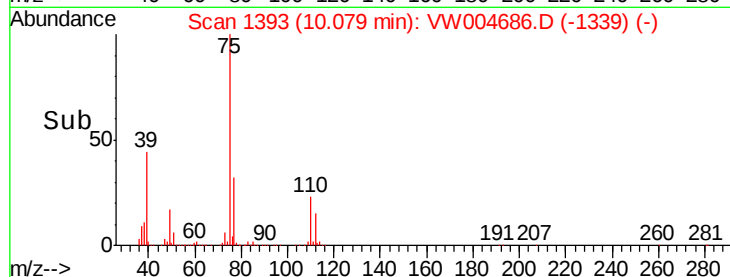
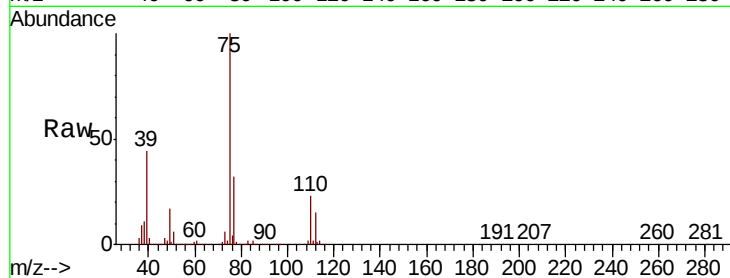
ClientSampleId :

Tot Ion: 75 Resp: 640640

Ion Ratio Lower Upper

75 100

77 31.9 21.7 40.3



#43

4-Methyl-2-pentanone

Concen: 49.699 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

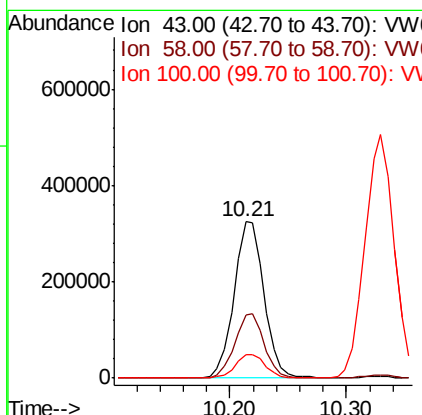
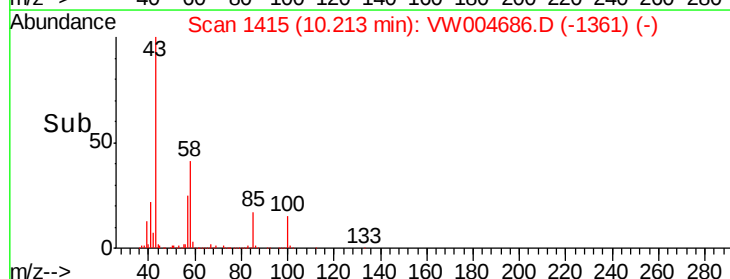
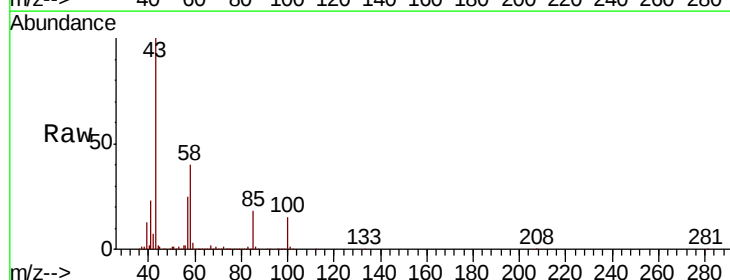
Tgt Ion: 43 Resp: 583620

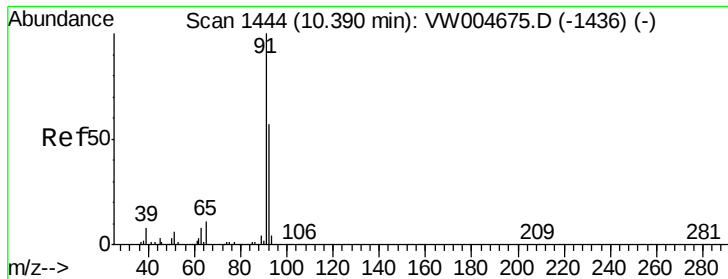
Ion Ratio Lower Upper

43 100

58 40.2 31.8 47.8

100 15.2 12.2 18.4





#44

Toluene

Concen: 25.705 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

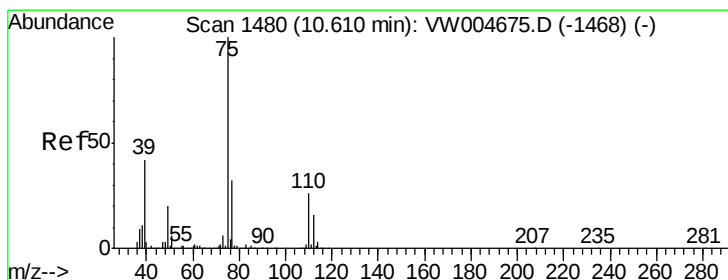
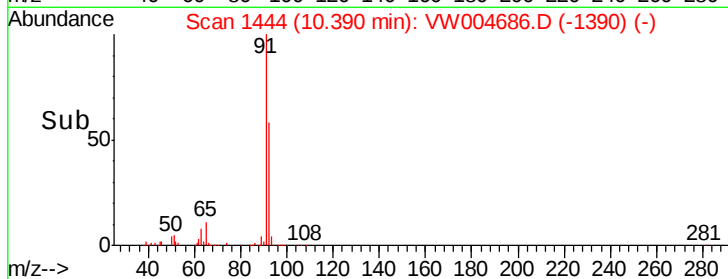
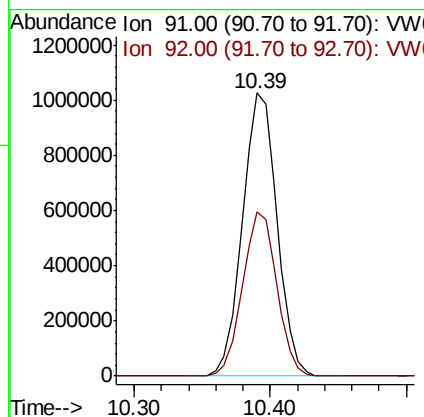
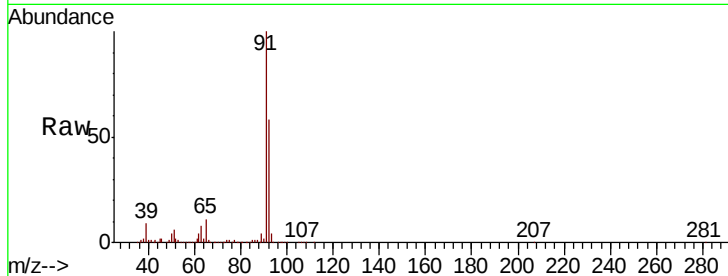
ClientSampled :

Tot Ion: 91 Resp: 1819267

Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.8



#45

trans-1,3-Dichloropropene

Concen: 25.820 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004686.D

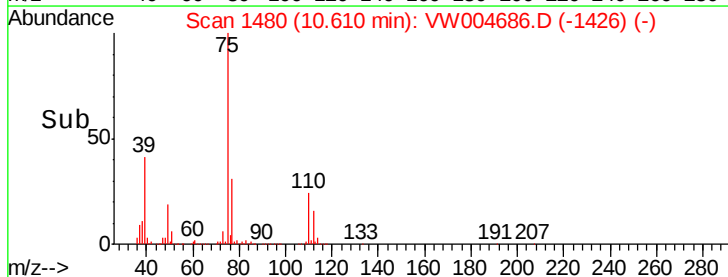
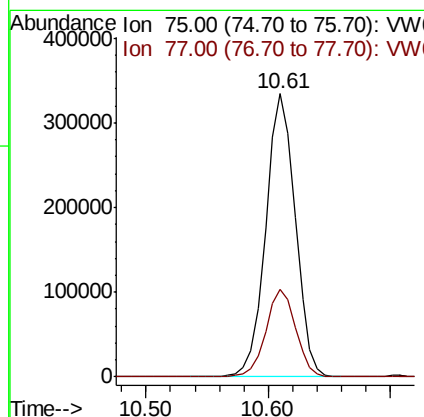
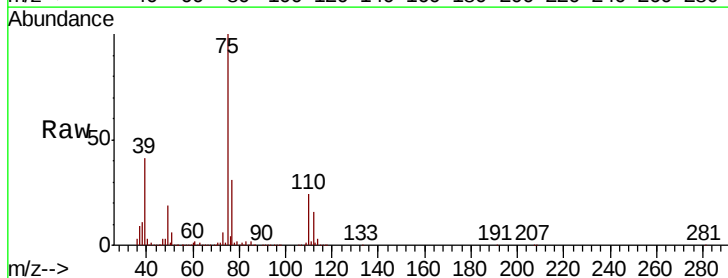
Acq: 15 Aug 2018 01:37

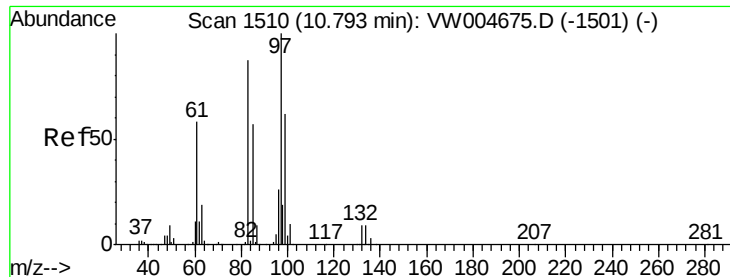
Tgt Ion: 75 Resp: 561961

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6

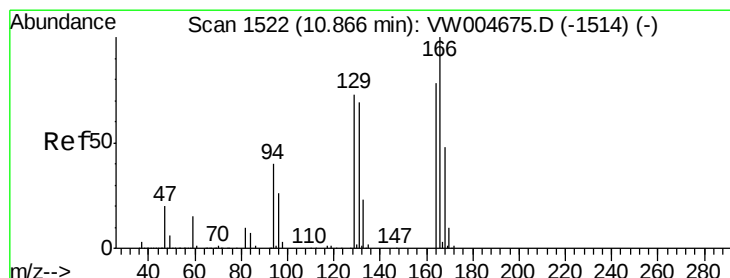
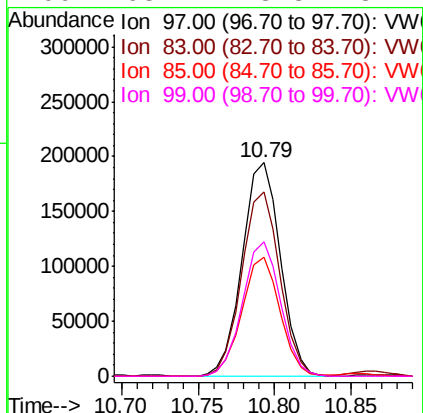
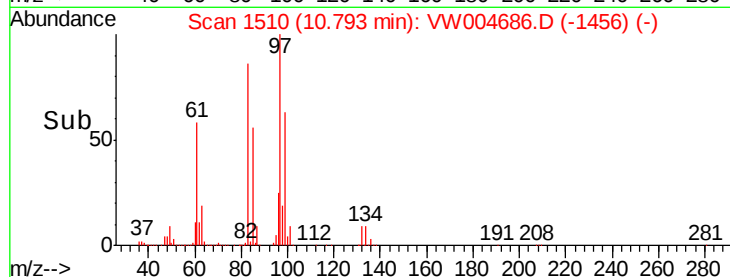
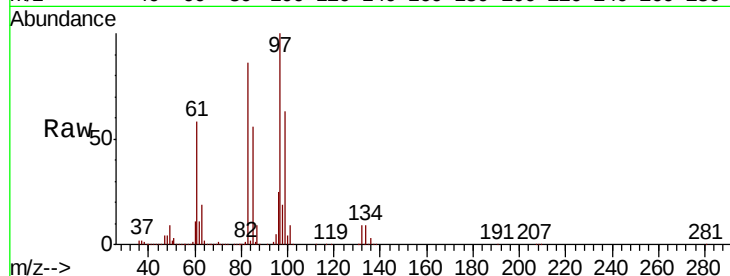




#46
 1,1,2-Trichloroethane
 Concen: 25.294 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

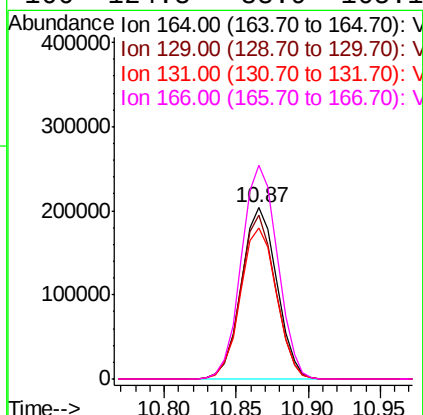
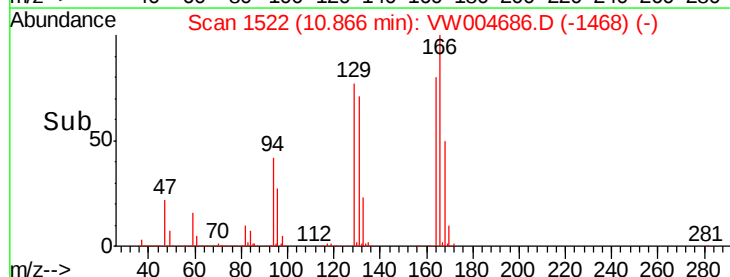
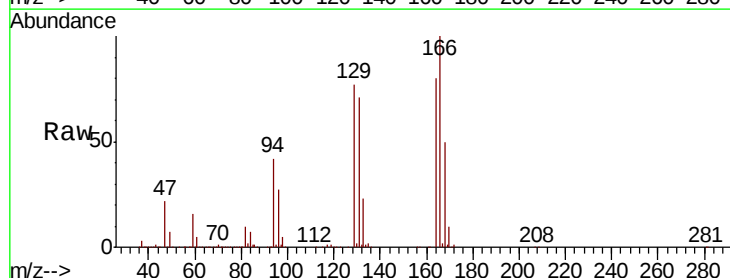
Instrument :
 MSVOA_W
 ClientSampleId :

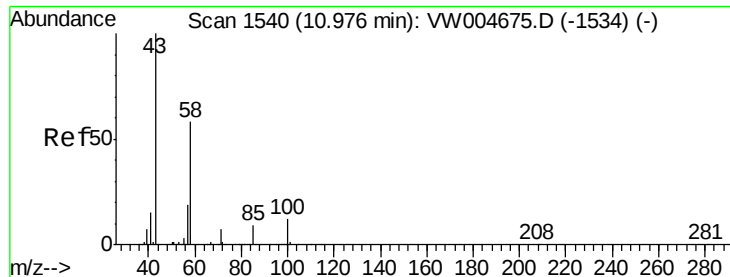
Tot Ion:	97	Resp:	339048
Ion	Ratio	Lower	Upper
97	100		
83	86.3	60.6	112.6
85	55.9	37.9	70.5
99	63.2	43.8	81.4



#47
 Tetrachloroethene
 Concen: 23.757 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Tgt Ion:	164	Resp:	346680
Ion	Ratio	Lower	Upper
164	100		
129	95.5	65.0	120.6
131	88.6	62.2	115.4
166	124.8	88.9	165.1

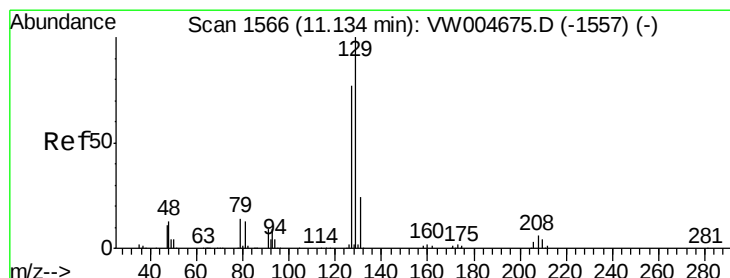
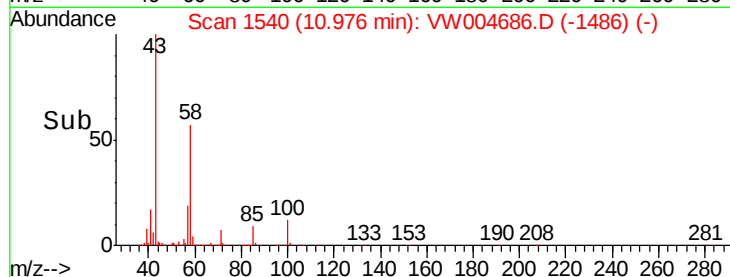
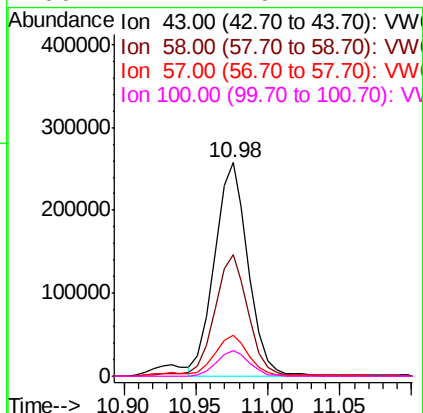
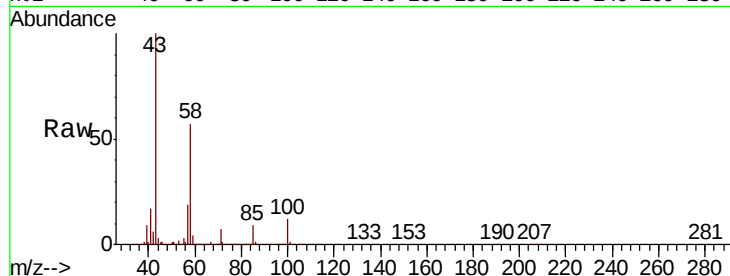




#49
2-Hexanone
Concen: 48.908 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

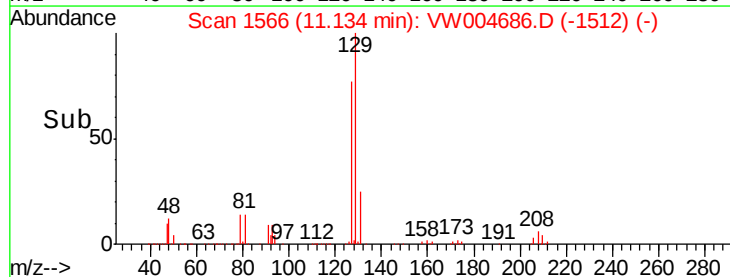
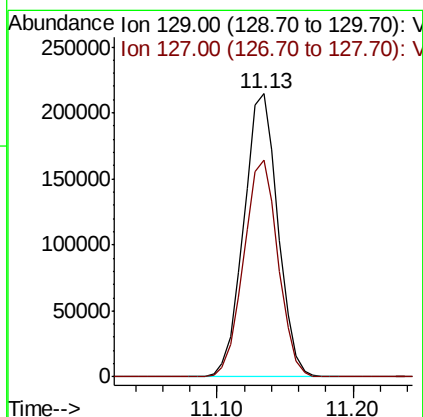
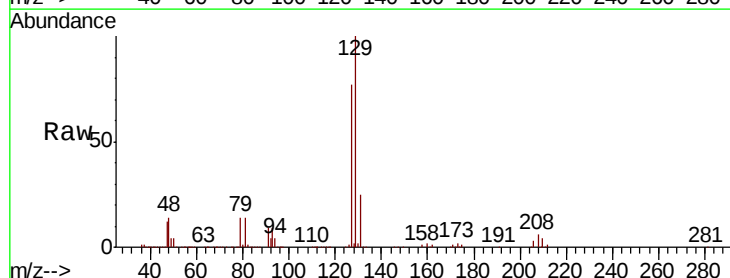
Instrument :
MSVOA_W
ClientSampleId :

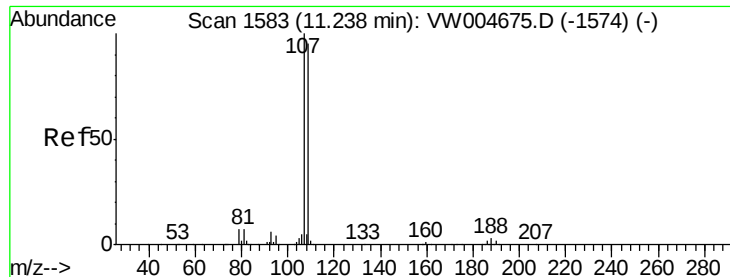
Tot Ion: 43 Resp: 418286
Ion Ratio Lower Upper
43 100
58 56.4 44.4 66.6
57 19.1 14.8 22.2
100 11.7 9.4 14.2



#50
Dibromochloromethane
Concen: 24.967 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004686.D
Acq: 15 Aug 2018 01:37

Tgt Ion: 129 Resp: 376445
Ion Ratio Lower Upper
129 100
127 76.7 53.3 98.9





#51

1,2-Dibromoethane

Concen: 25.216 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

ClientSampleId :

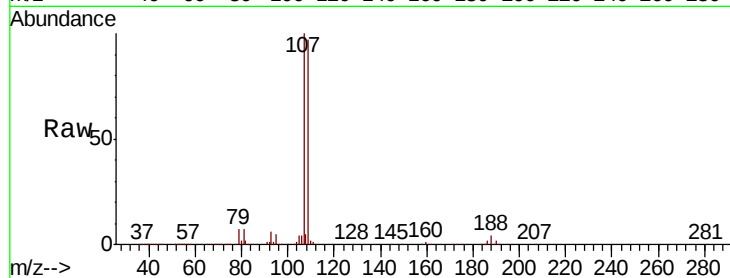
Tot Ion:107 Resp: 325853

Ion Ratio Lower Upper

107 100

109 96.7 64.5 119.9

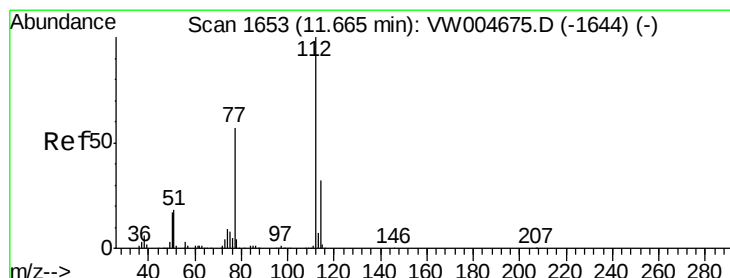
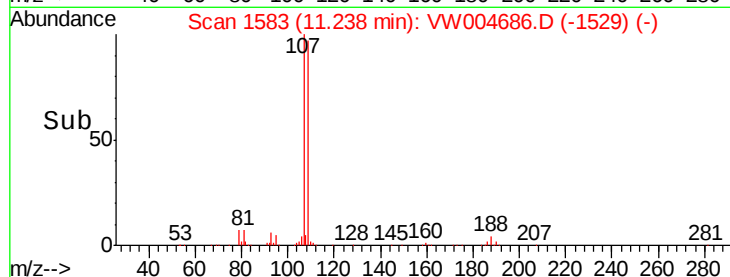
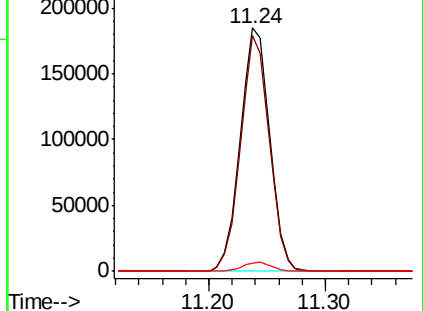
188 3.5 2.8 4.2



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: 25.329 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

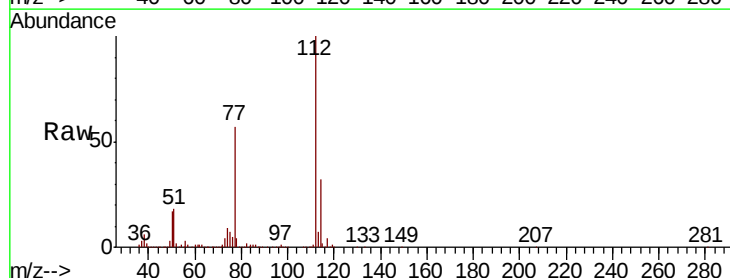
Tgt Ion:112 Resp: 1196908

Ion Ratio Lower Upper

112 100

77 56.8 46.0 69.0

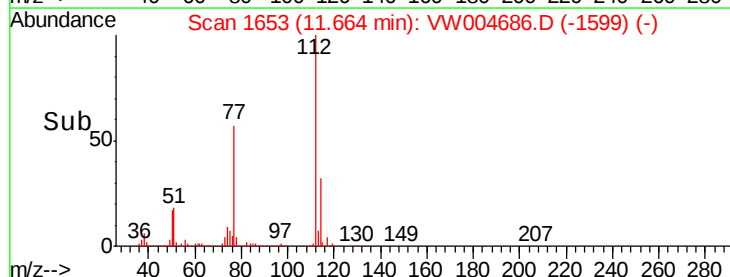
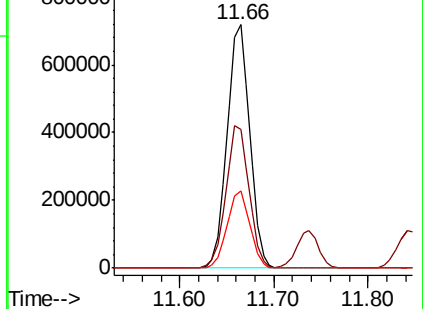
114 32.0 22.3 41.5

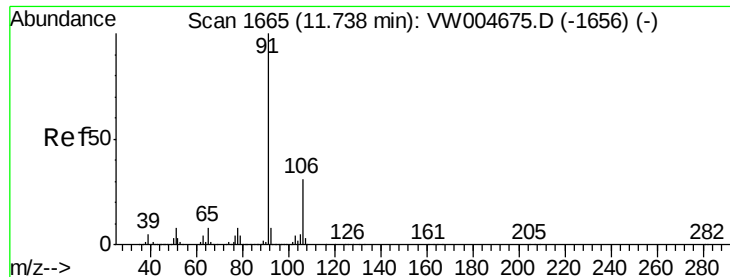


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.003 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

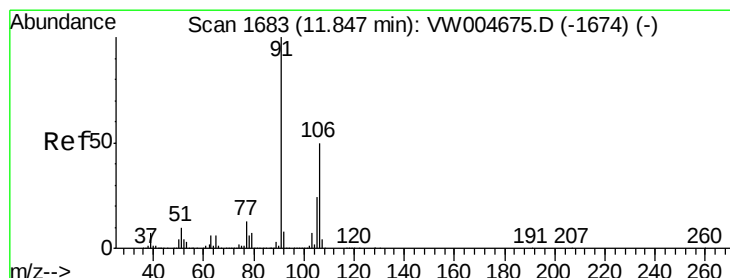
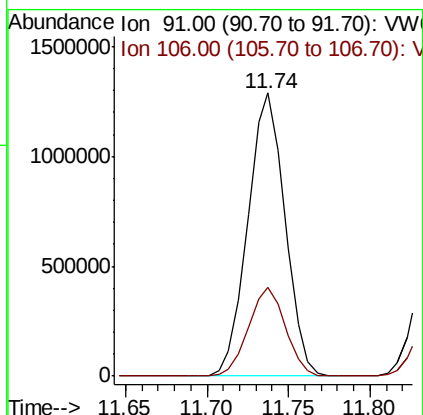
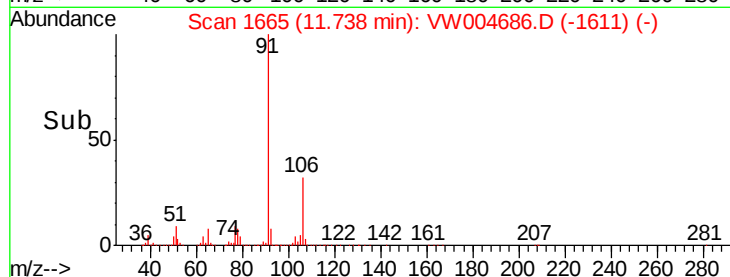
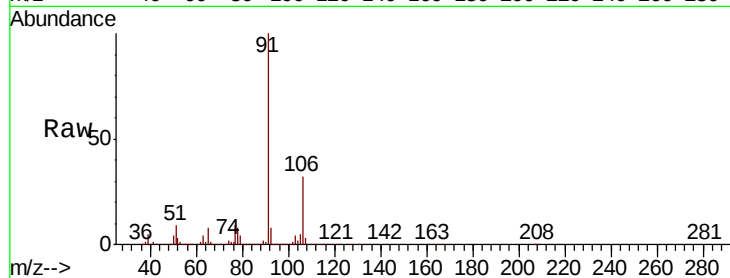
ClientSampled :

Tot Ion: 91 Resp: 2050035

Ion Ratio Lower Upper

91 100

106 31.5 22.0 40.8



#54

m,p-Xylene

Concen: 26.190 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW004686.D

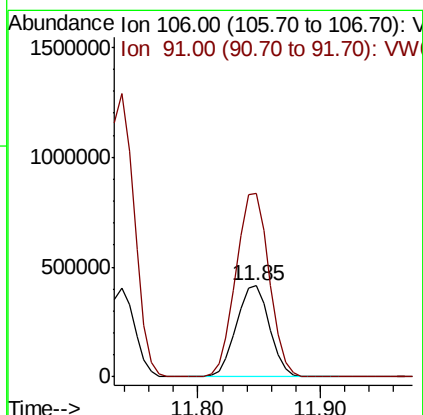
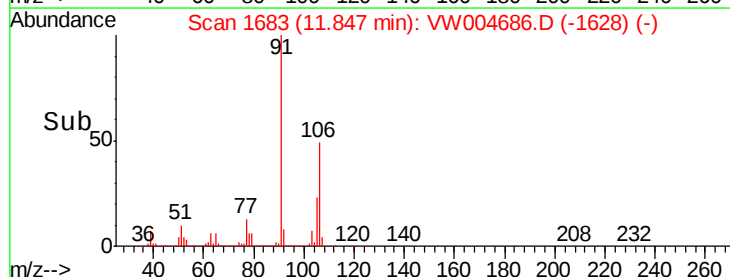
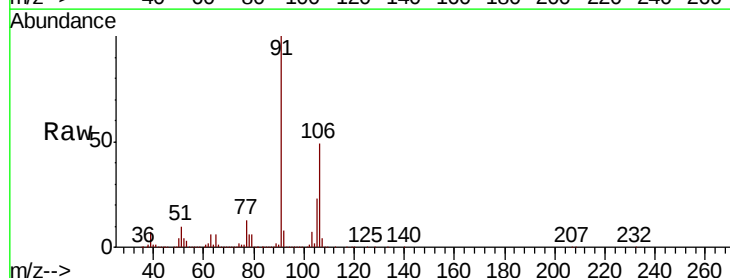
Acq: 15 Aug 2018 01:37

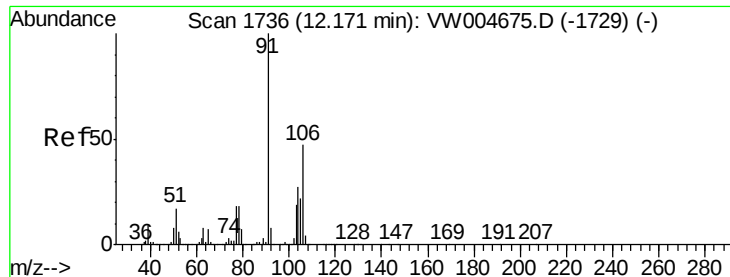
Tgt Ion:106 Resp: 784658

Ion Ratio Lower Upper

106 100

91 202.5 139.2 258.4





#55

o-xylene

Concen: 26.889 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

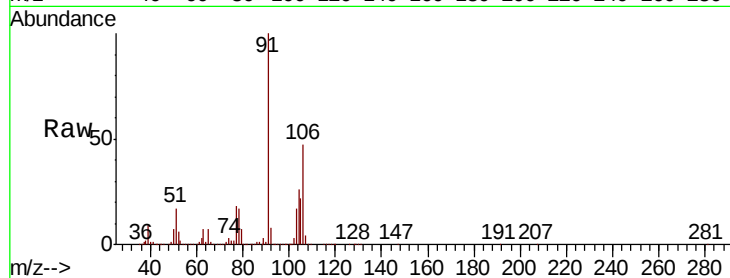
ClientSampleId :

Tot Ion:106 Resp: 761409

Ion Ratio Lower Upper

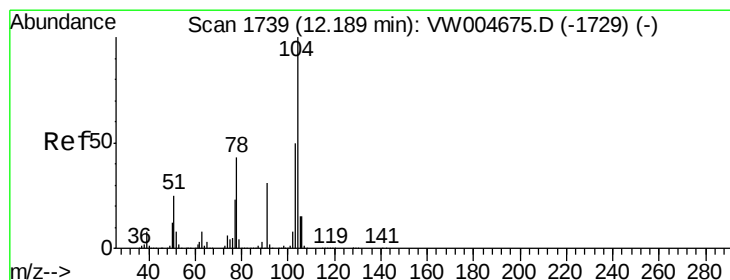
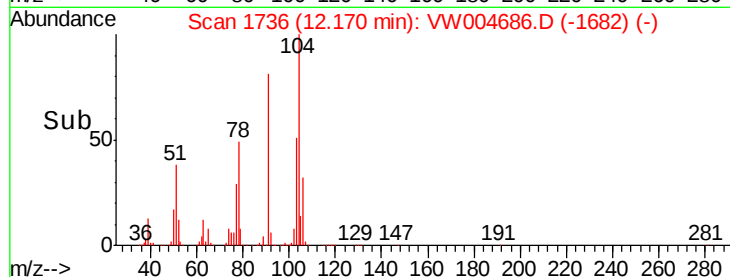
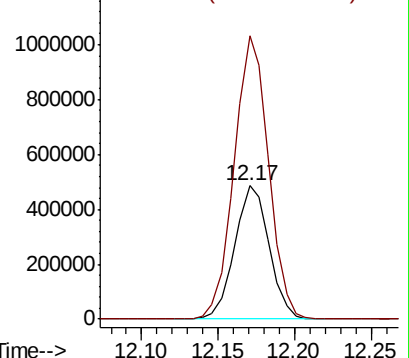
106 100

91 212.3 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.257 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004686.D

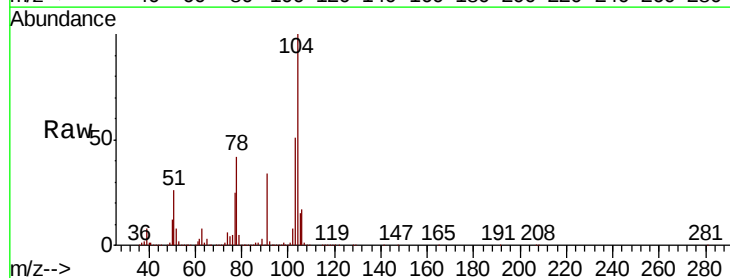
Acq: 15 Aug 2018 01:37

Tgt Ion:104 Resp: 1323853

Ion Ratio Lower Upper

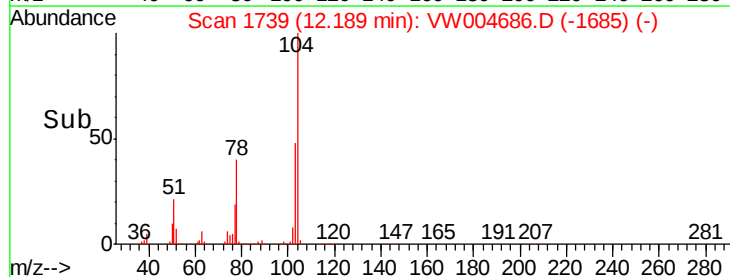
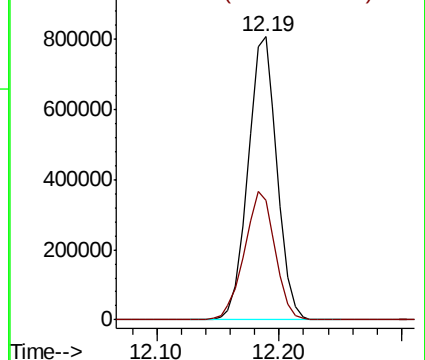
104 100

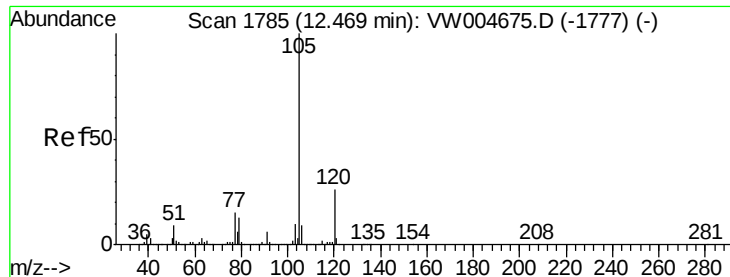
78 42.4 29.9 55.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.395 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

ClientSampleId :

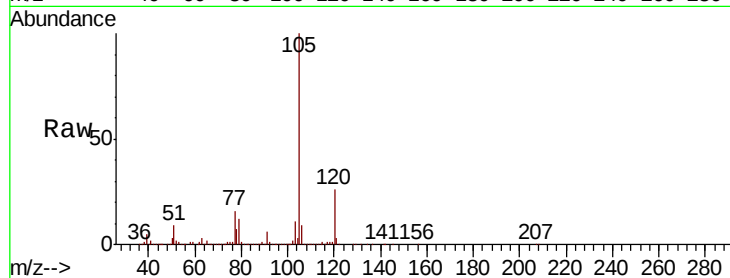
Tot Ion:105 Resp: 2024143

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

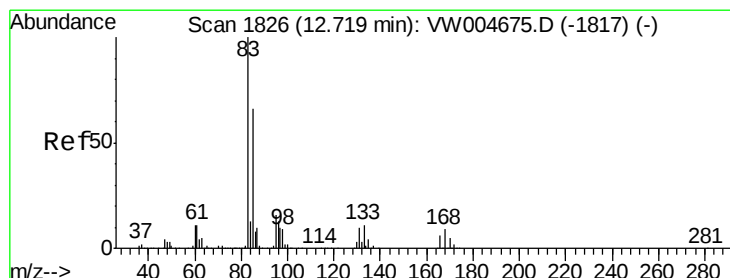
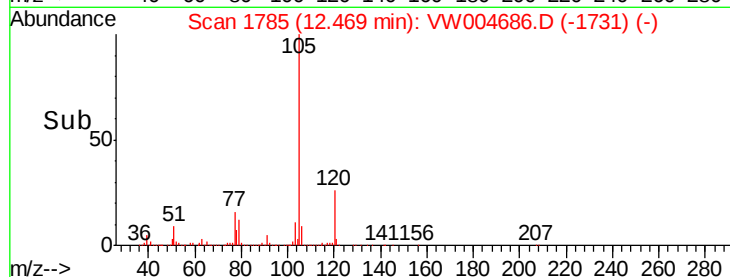
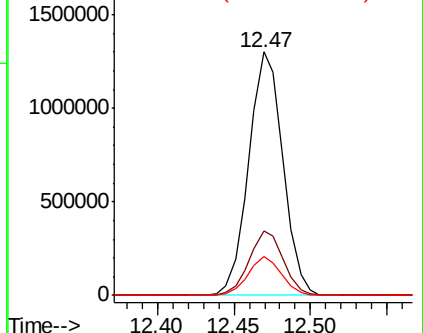
77 15.4 12.1 18.1



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: 24.165 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

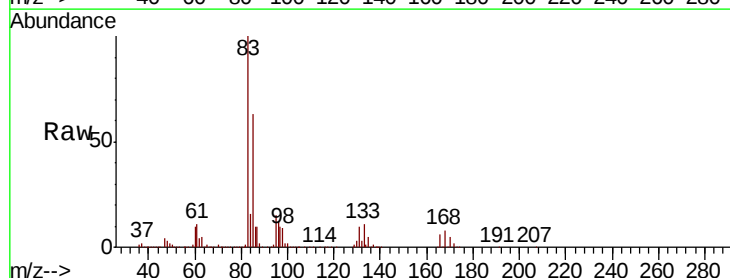
Tgt Ion: 83 Resp: 446687

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.5

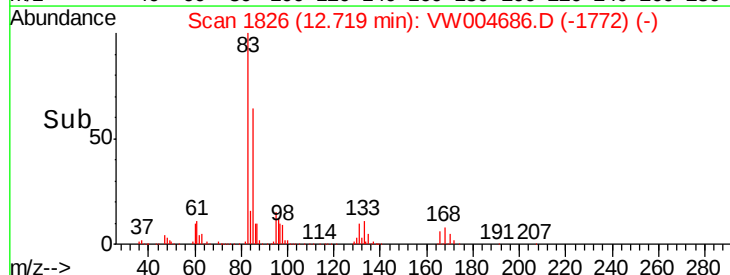
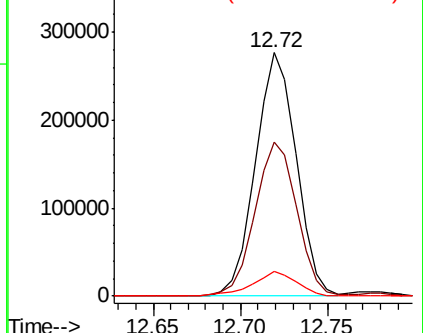
131 9.9 8.2 12.4

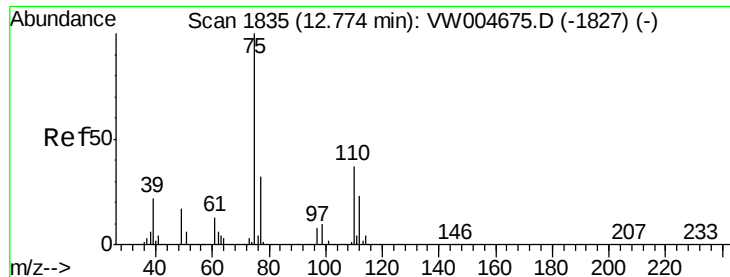


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.101 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

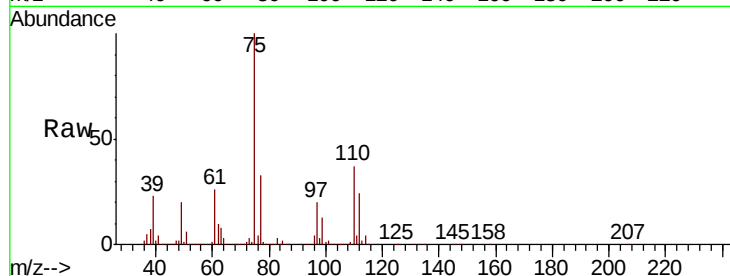
ClientSampled :

Tot Ion: 75 Resp: 327990

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

200000

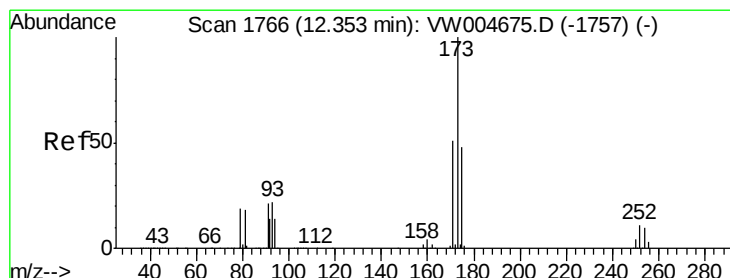
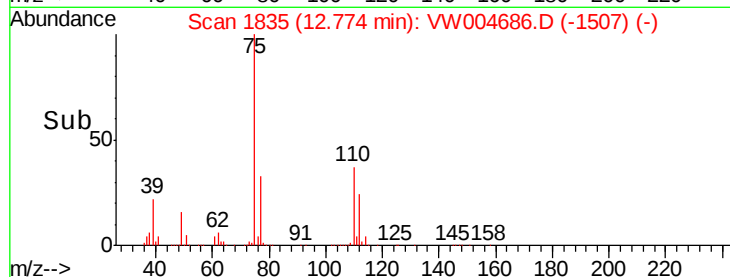
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 24.367 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

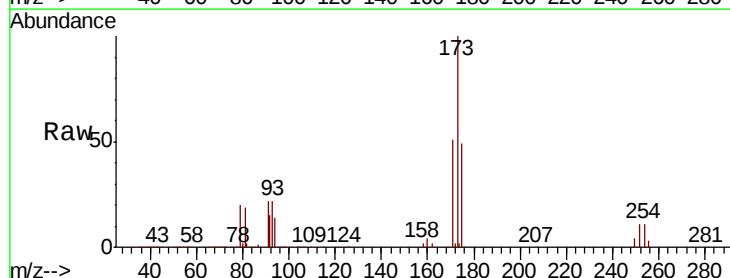
Tgt Ion: 173 Resp: 233498

Ion Ratio Lower Upper

173 100

175 48.3 39.2 58.8

254 11.1 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

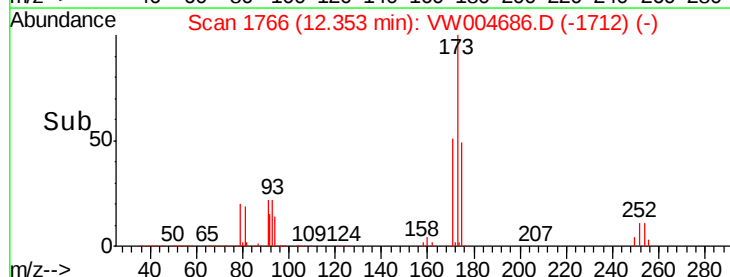
150000

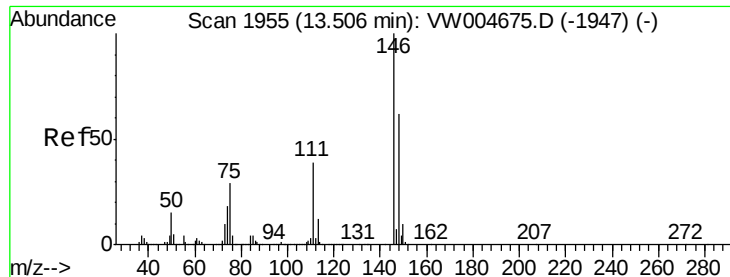
100000

50000

0

Time-->





#63

1,3-Dichlorobenzene

Concen: 26.194 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

ClientSampleId :

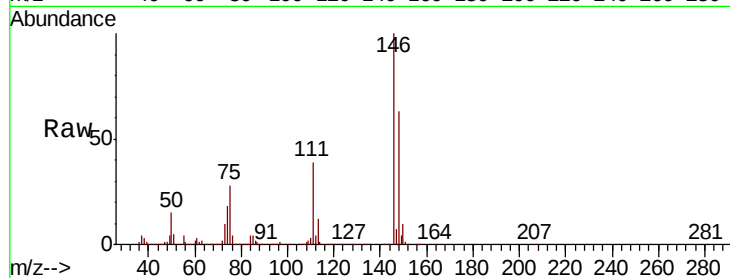
Tot Ion:146 Resp: 936668

Ion Ratio Lower Upper

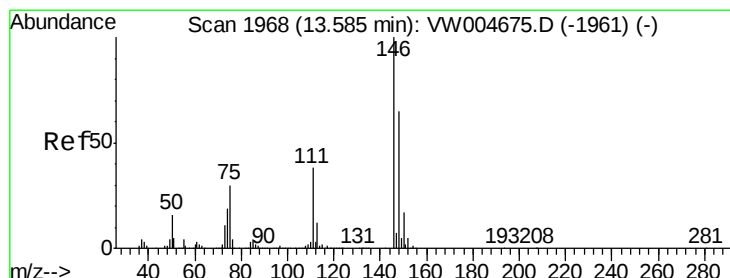
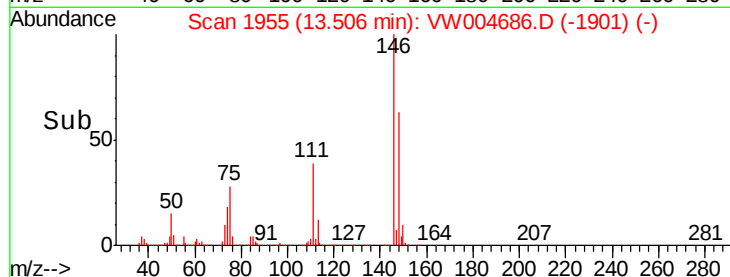
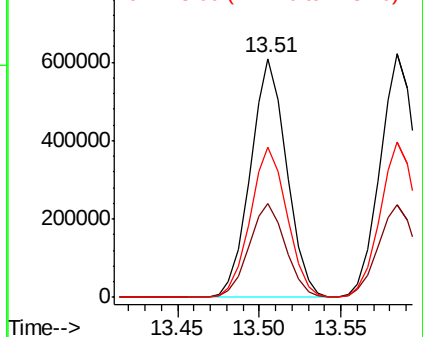
146 100

111 39.4 27.5 51.1

148 63.0 45.1 83.9



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



#64

1,4-Dichlorobenzene

Concen: 25.247 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

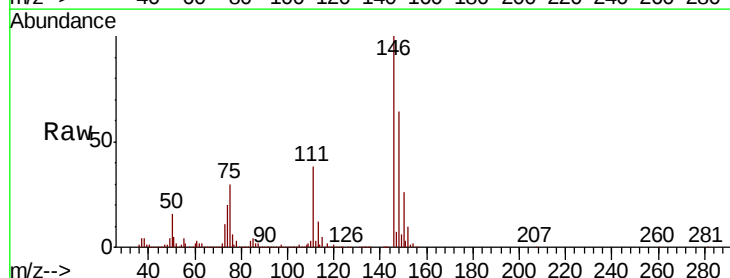
Tgt Ion:146 Resp: 964360

Ion Ratio Lower Upper

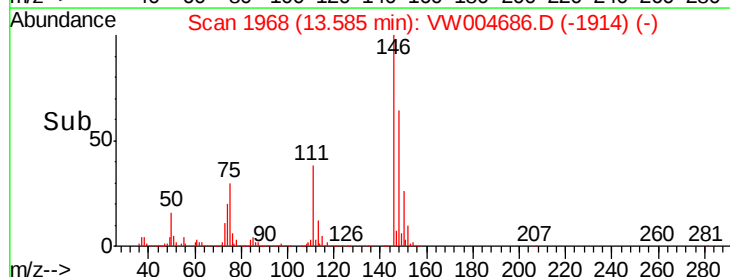
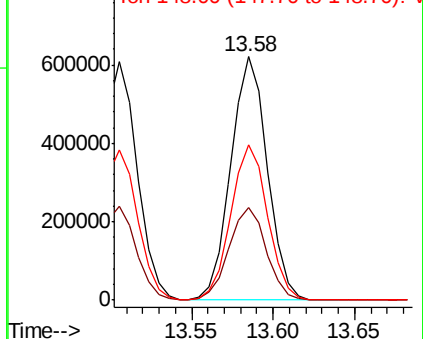
146 100

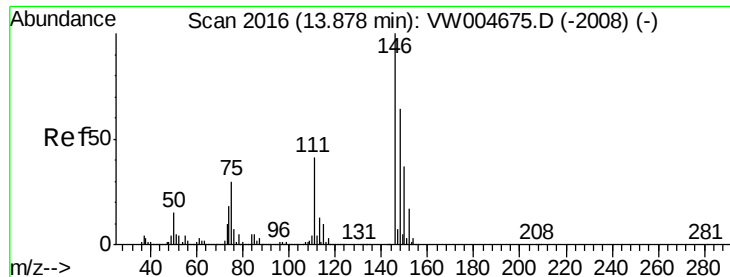
111 38.1 26.7 49.5

148 63.8 44.8 83.2



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





#65

1,2-Dichlorobenzene

Concen: 25.790 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

ClientSampleId :

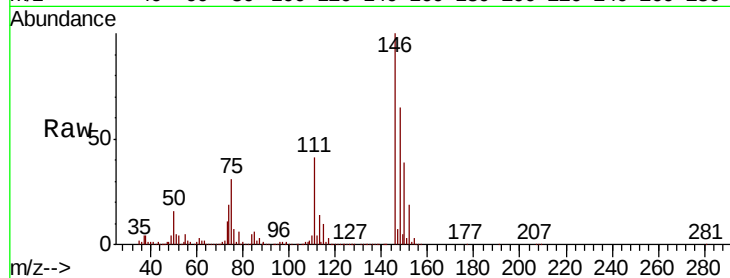
Tot Ion:146 Resp: 909593

Ion Ratio Lower Upper

146 100

111 41.1 32.9 49.3

148 65.2 50.7 76.1



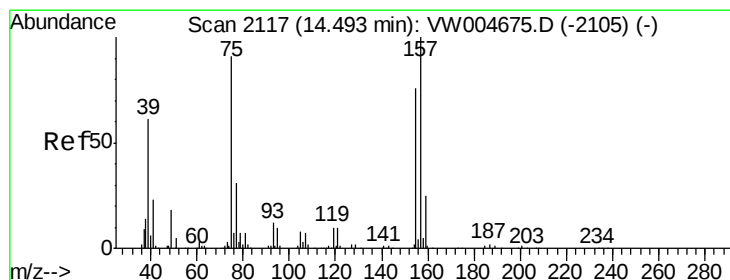
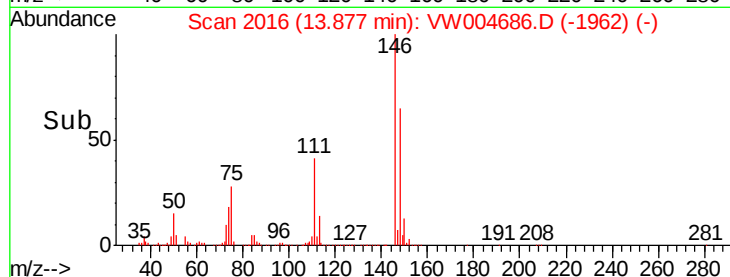
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.88

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 23.478 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

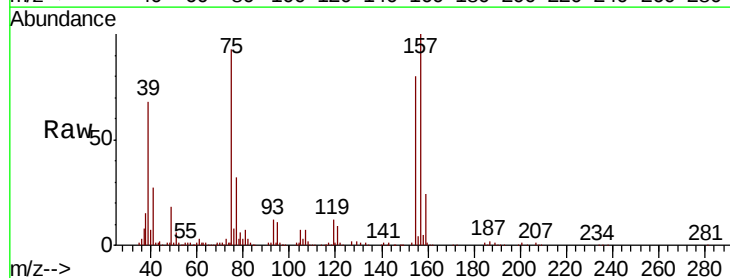
Tgt Ion: 75 Resp: 69782

Ion Ratio Lower Upper

75 100

157 108.0 81.8 122.8

155 86.2 65.4 98.0



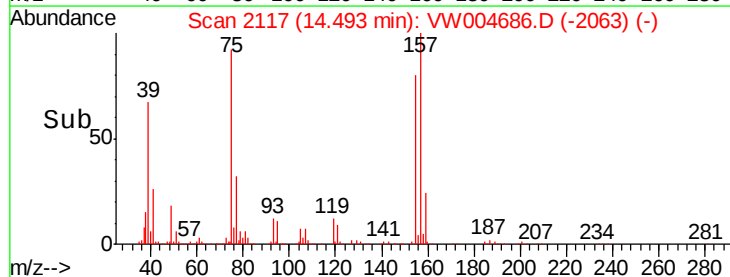
Abundance Ion 75.00 (74.70 to 75.70): VW

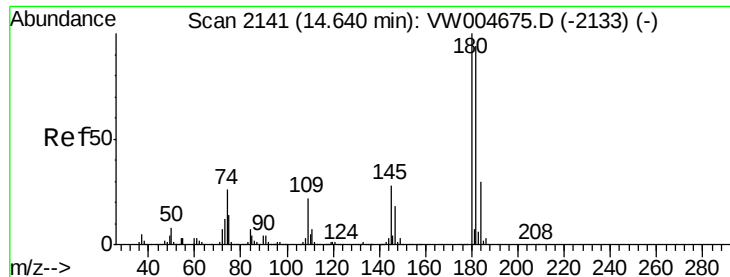
Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

14.49

Time-->

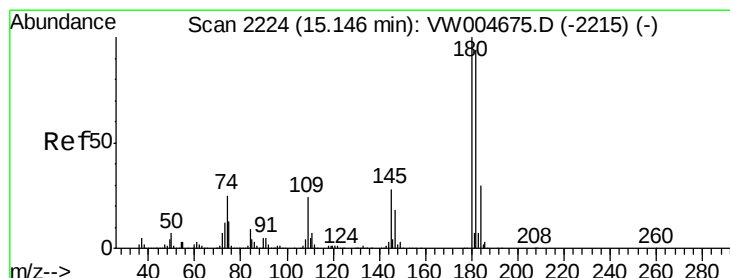
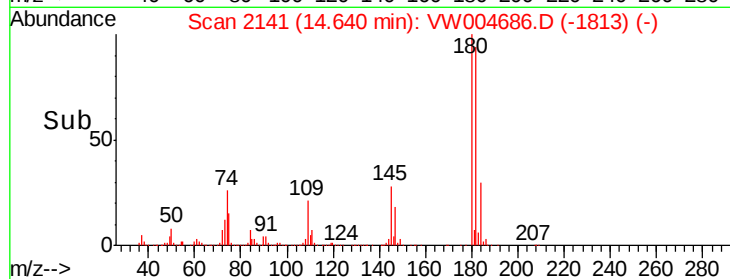
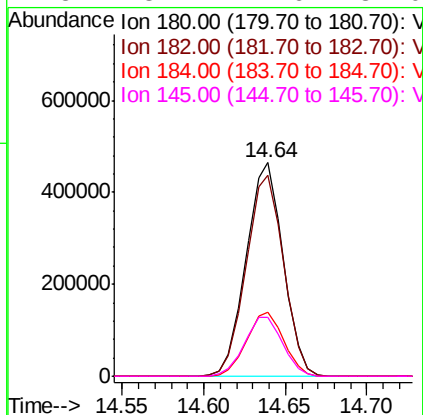
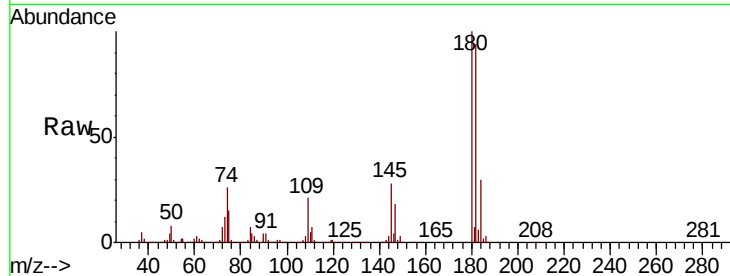




#67
 1,3,5-Trichlorobenzene
 Concen: 25.516 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

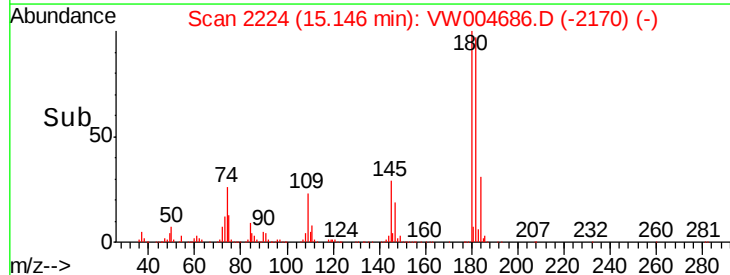
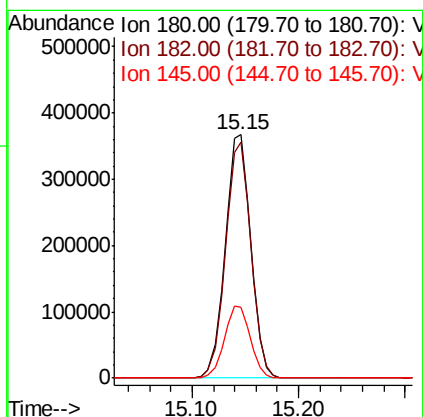
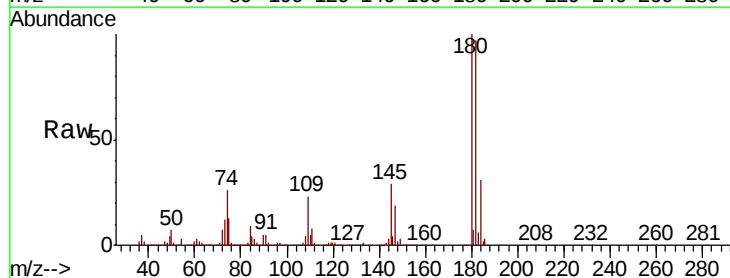
Instrument :
 MSVOA_W
 ClientSampleId :

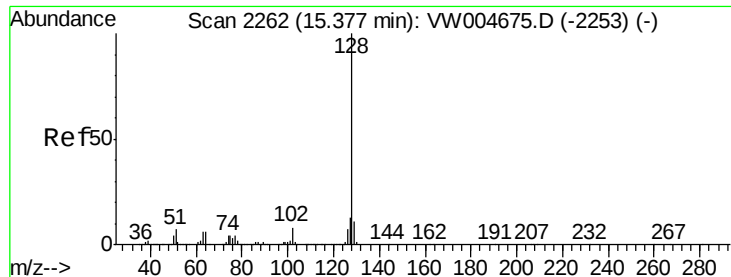
Tot Ion:180	Resp:	734001
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.1 114.1
184	30.2	24.2 36.4
145	28.7	22.6 34.0



#68
 1,2,4-trichlorobenzene
 Concen: 26.419 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004686.D
 Acq: 15 Aug 2018 01:37

Tgt Ion:180	Resp:	615670
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.7 115.1
145	30.1	23.4 35.2





#69

Naphthalene

Concen: 28.069 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

Instrument :

MSVOA_W

ClientSampled :

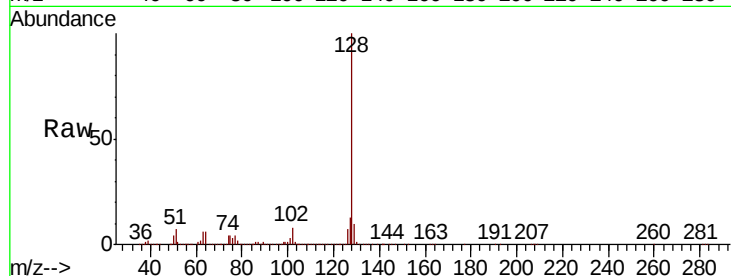
Tot Ion:128 Resp: 1346322

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

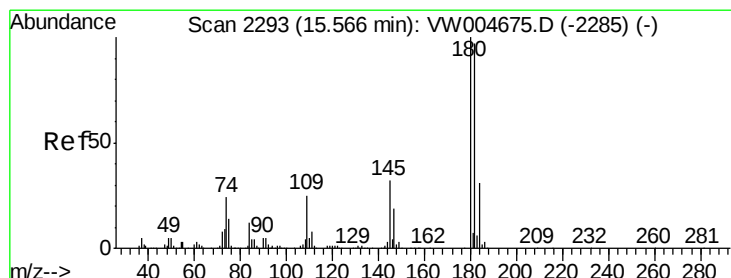
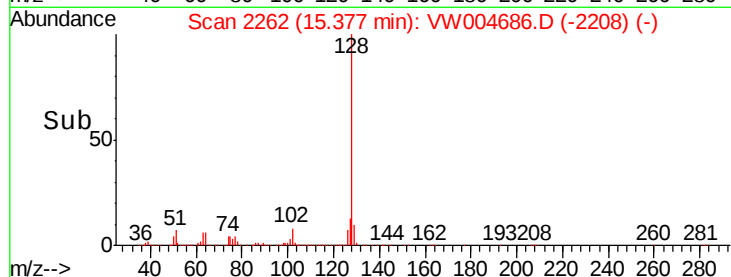
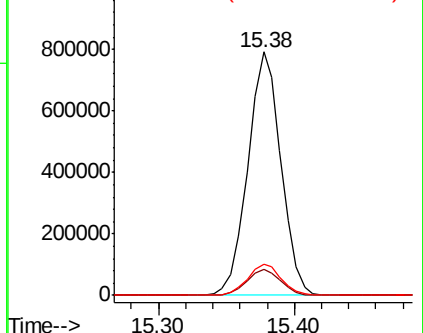
127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.721 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004686.D

Acq: 15 Aug 2018 01:37

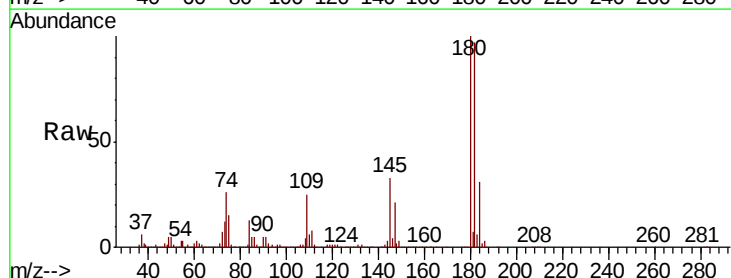
Tgt Ion:180 Resp: 594368

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.8

145 31.6 24.4 36.6



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

