

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009318.D
 Acq On : 21 Mar 2019 10:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 22 09:40:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 10:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	479201	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	448854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239161	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	142289	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.40%
7) Chloroethane-d5	2.89	69	140874	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.08%
10) 1,1-Dichloroethene-d2	4.02	63	305182	24.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.64%
20) 2-Butanone-d5	7.07	46	102505	43.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.56%
24) Chloroform-d	7.64	84	310904	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	8.30	65	182658	23.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.76%
29) Benzene-d6	8.27	84	586682	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
33) 1,2-Dichloropropane-d6	9.27	67	176290	23.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.84%
37) Toluene-d8	10.32	98	544465	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.16%
38) trans-1,3-Dichloropropene-	10.57	79	84130	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.12%
39) 2-Hexanone-d5	10.92	63	81416	45.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	169812	23.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	210156	22.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	157003	24.871	ug/L	92
3) Chloromethane	2.22	50	167851	25.062	ug/L	98
5) Vinyl chloride	2.37	62	207447	30.092	ug/L	99
6) Bromomethane	2.78	94	143316	24.815	ug/L	100
8) Chloroethane	2.93	64	141929	24.885	ug/L	96
9) Trichlorofluoromethane	3.26	101	116262	21.351	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	158667	25.231	ug/L	98
12) 1,1-Dichloroethene	4.04	96	155719	26.389	ug/L	78
13) Acetone	4.12	43	103858	53.478	ug/L	98
14) Carbon disulfide	4.38	76	465582	29.316	ug/L	100
15) Methyl Acetate	4.67	43	86733	22.733	ug/L	96
16) Methylene chloride	4.92	84	161938	23.174	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	195699	23.438	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	161418	26.018	ug/L	95
19) 1,1-Dichloroethane	6.21	63	295866	26.154	ug/L	99
21) 2-Butanone	7.17	43	126667	47.237	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	172713	25.698	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009318.D
 Acq On : 21 Mar 2019 10:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 22 09:40:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 10:17:44 2019
 Response via : Initial Calibration

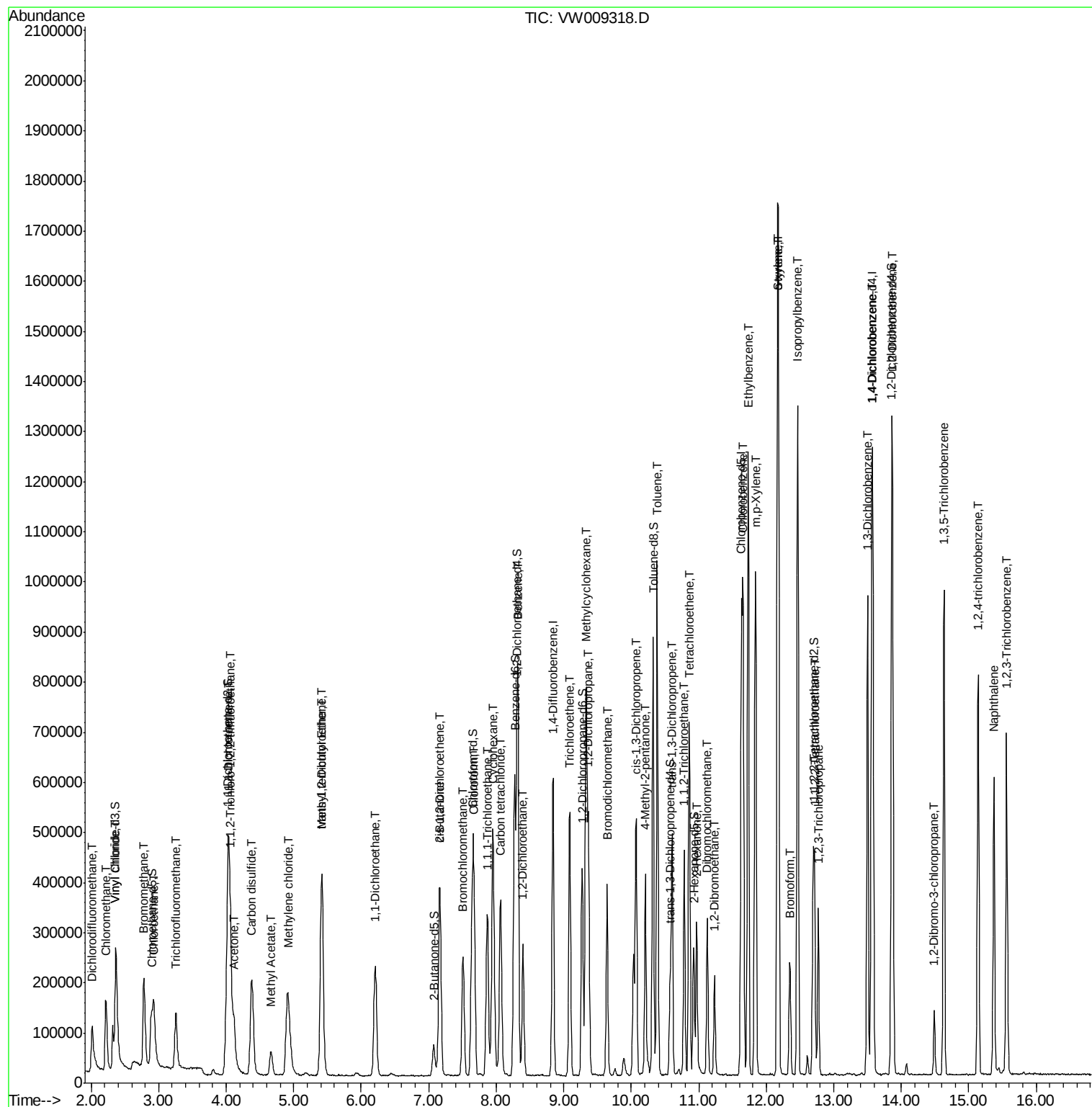
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	80622	25.011	ug/L	97
25) Chloroform	7.67	83	309964	26.165	ug/L	98
27) 1,2-Dichloroethane	8.40	62	222771	25.222	ug/L	99
30) Cyclohexane	7.95	56	272903	26.771	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	248422	27.711	ug/L	99
32) Carbon tetrachloride	8.06	117	254878	28.179	ug/L	98
34) Benzene	8.32	78	661313	26.918	ug/L	100
35) Trichloroethene	9.09	95	170389	26.028	ug/L	99
36) Methylcyclohexane	9.33	83	302355	26.696	ug/L	100
40) 1,2-Dichloropropane	9.37	63	163746	25.974	ug/L	99
41) Bromodichloromethane	9.64	83	228542	26.164	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	265786	25.885	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	259280	45.387	ug/L	99
44) Toluene	10.38	91	713593	26.566	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	230013	25.751	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	126984	25.248	ug/L	98
47) Tetrachloroethene	10.86	164	142195	25.707	ug/L	97
49) 2-Hexanone	10.97	43	197670	49.129	ug/L	99
50) Dibromochloromethane	11.13	129	157008	25.288	ug/L	99
51) 1,2-Dibromoethane	11.23	107	125325	24.580	ug/L	98
52) Chlorobenzene	11.66	112	451413	26.202	ug/L	99
53) Ethylbenzene	11.73	91	818884	27.116	ug/L	100
54) m,p-Xylene	11.84	106	308035	26.848	ug/L	96
55) o-xylene	12.16	106	295351	26.387	ug/L	99
56) Styrene	12.18	104	508093	26.605	ug/L	96
57) Isopropylbenzene	12.46	105	817667	27.270	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	166721	24.572	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	122605	24.348	ug/L	98
62) Bromoform	12.35	173	95514	23.637	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	362028	25.399	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	374504	25.413	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	339822	24.999	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29705	22.298	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	282130	25.377	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	232744	24.923	ug/L	99
69) Naphthalene	15.37	128	475564	24.563	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	220703	25.233	ug/L	99

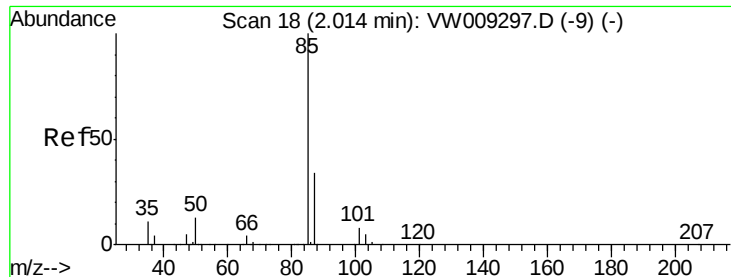
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
Data File : VW009318.D
Acq On : 21 Mar 2019 10:47
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Mar 22 09:40:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 21 10:17:44 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 24.871 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

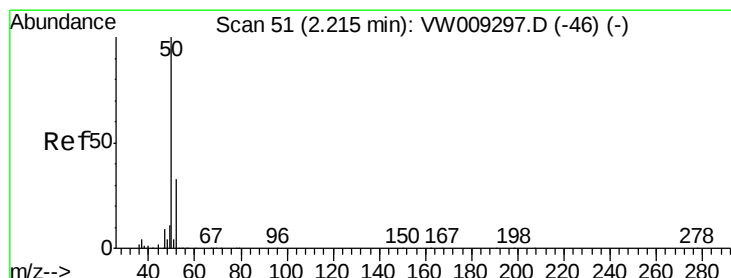
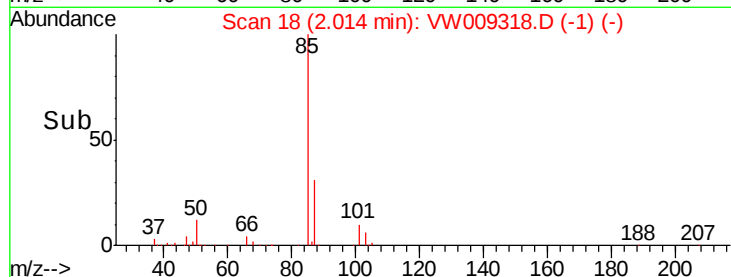
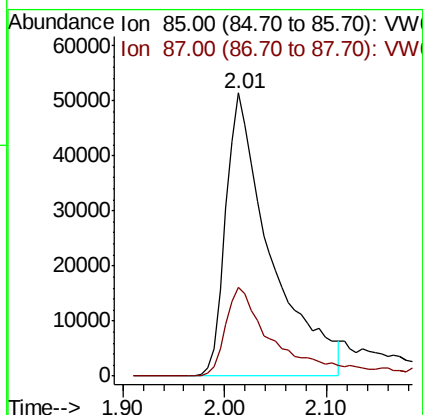
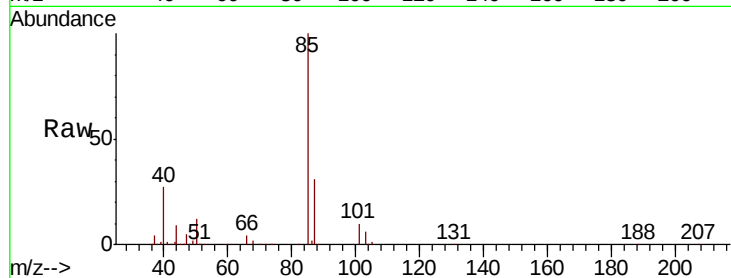
ClientSampled :

Tot Ion: 85 Resp: 157003

Ion Ratio Lower Upper

85 100

87 32.1 19.5 36.3



#3

Chloromethane

Concen: 25.062 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW009318.D

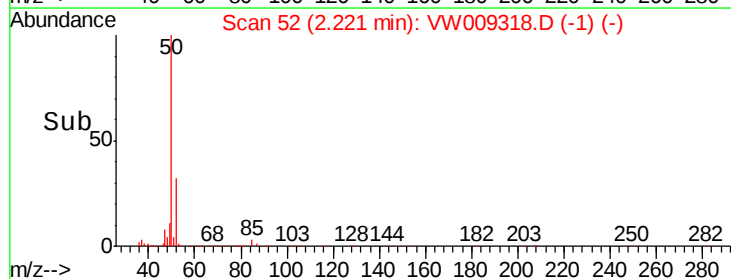
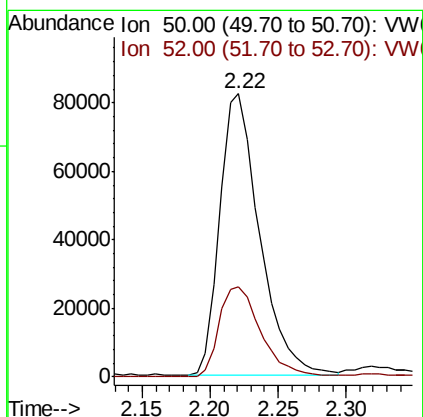
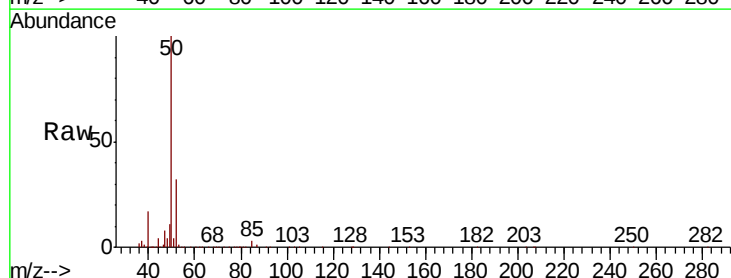
Acq: 21 Mar 2019 10:47

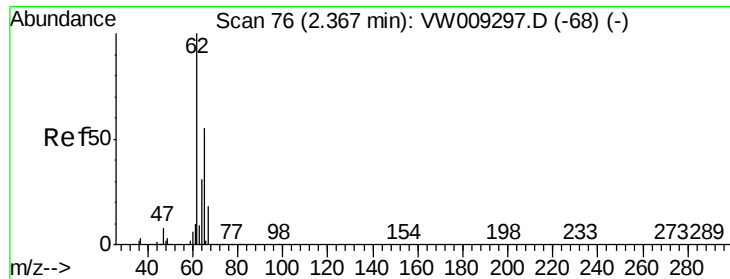
Tgt Ion: 50 Resp: 167851

Ion Ratio Lower Upper

50 100

52 31.8 21.6 40.2





#5

Vinyl chloride

Concen: 30.092 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

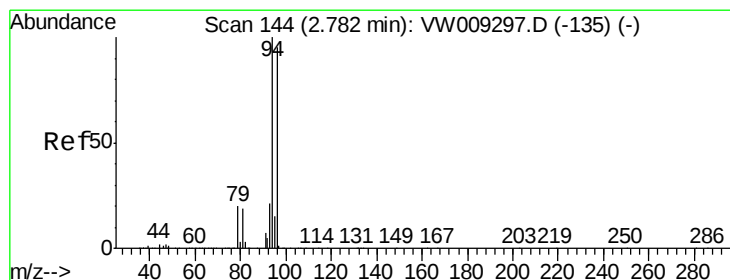
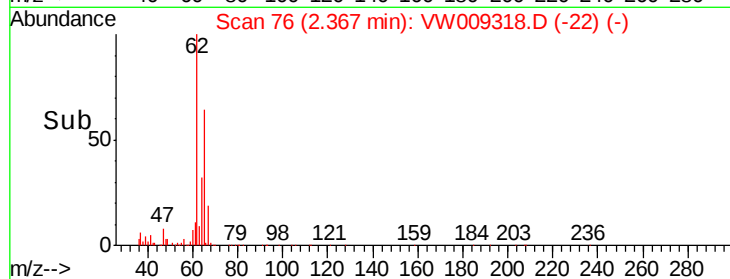
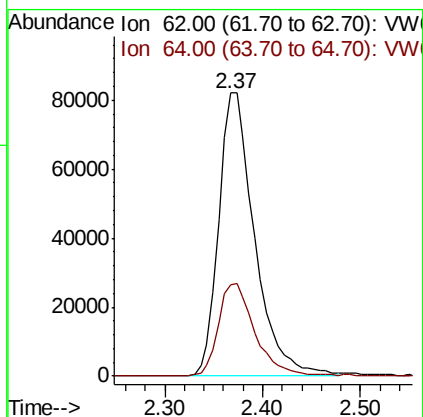
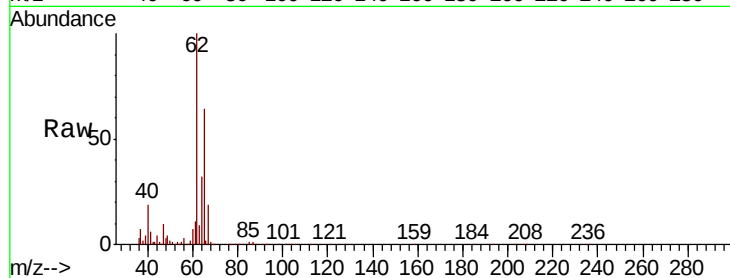
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 207447

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



#6

Bromomethane

Concen: 24.815 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009318.D

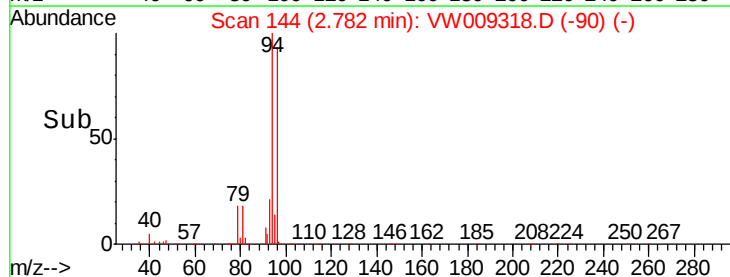
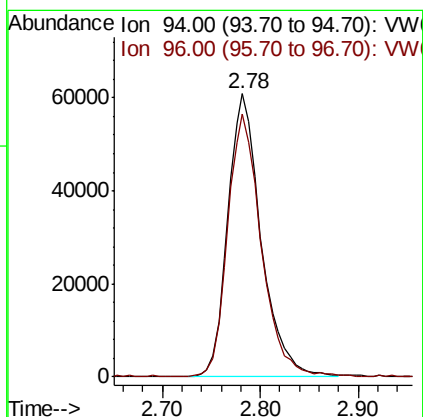
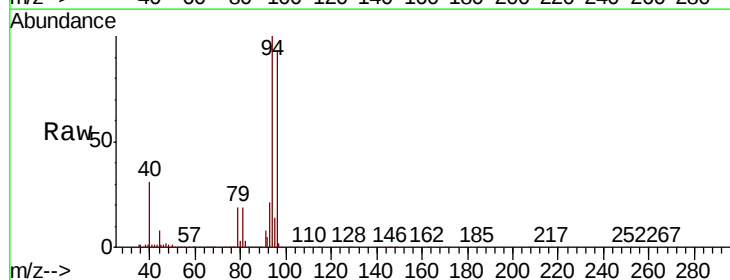
Acq: 21 Mar 2019 10:47

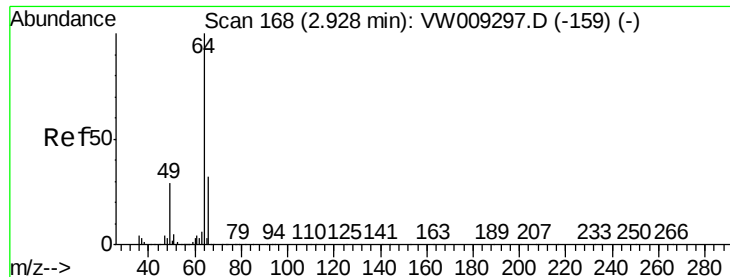
Tgt Ion: 94 Resp: 143316

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.4





#8

Chloroethane

Concen: 24.885 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

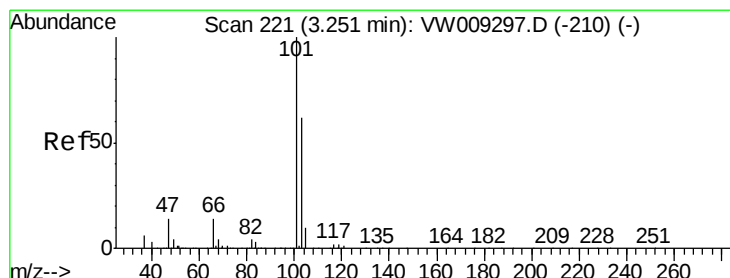
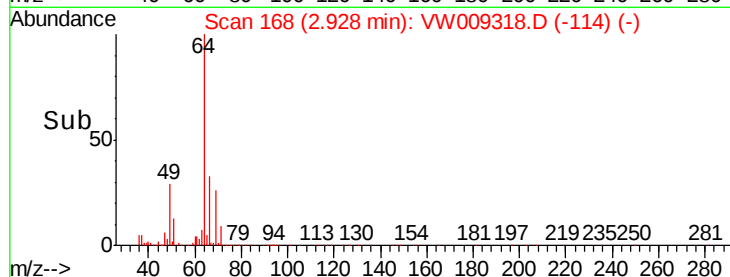
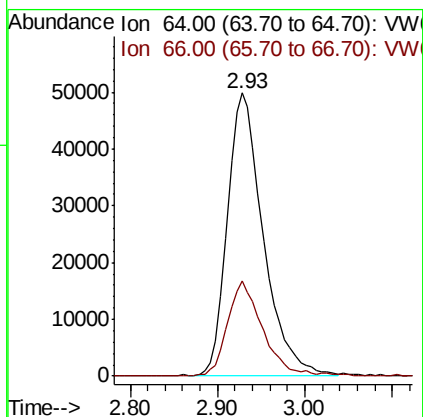
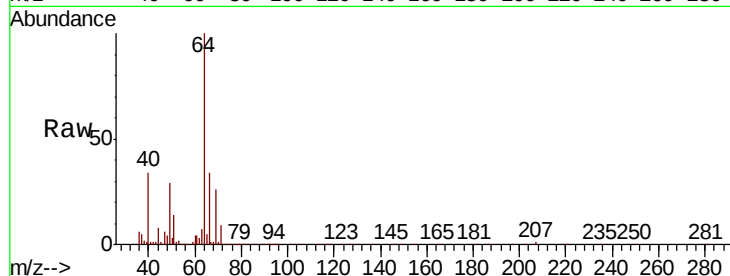
ClientSampled :

Tot Ion: 64 Resp: 141929

Ion Ratio Lower Upper

64 100

66 33.5 25.1 46.7



#9

Trichlorofluoromethane

Concen: 21.351 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009318.D

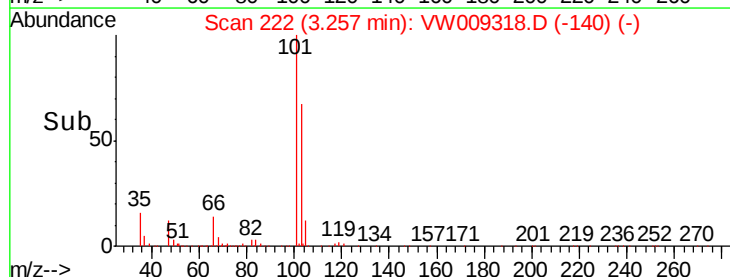
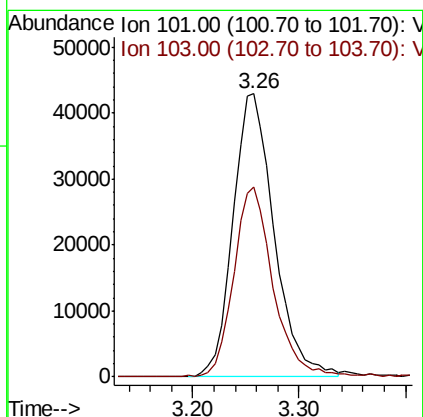
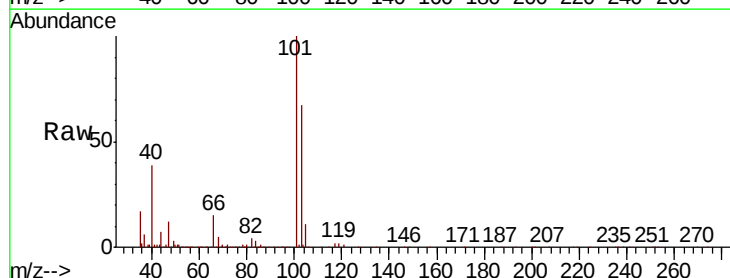
Acq: 21 Mar 2019 10:47

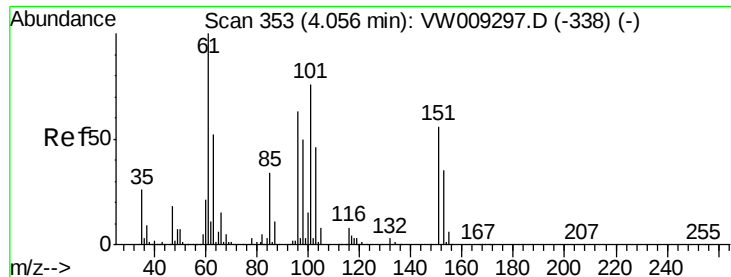
Tgt Ion: 101 Resp: 116262

Ion Ratio Lower Upper

101 100

103 64.2 45.0 83.6





#11

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

Concen: 25.231 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

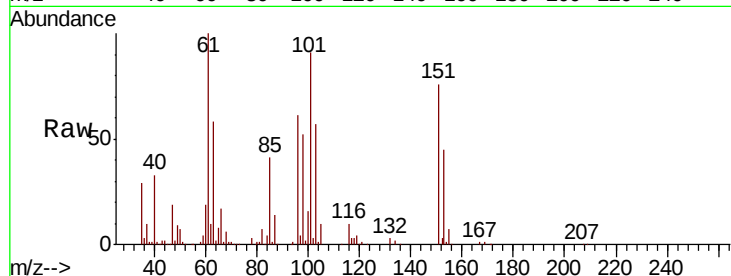
Tot Ion:101 Resp: 158667

Ion Ratio Lower Upper

101 100

85 43.6 32.6 48.8

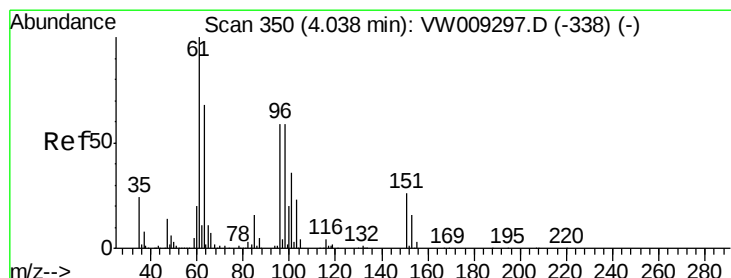
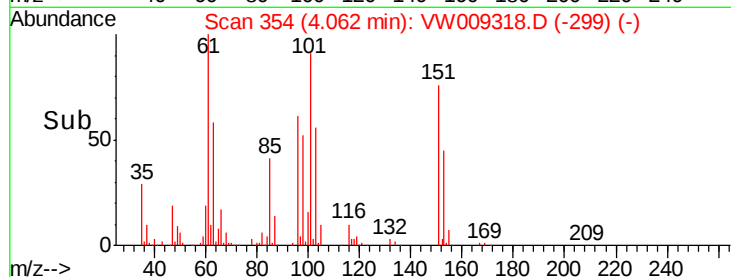
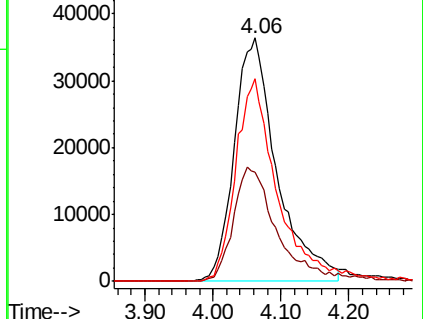
151 78.7 63.3 94.9



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: 26.389 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

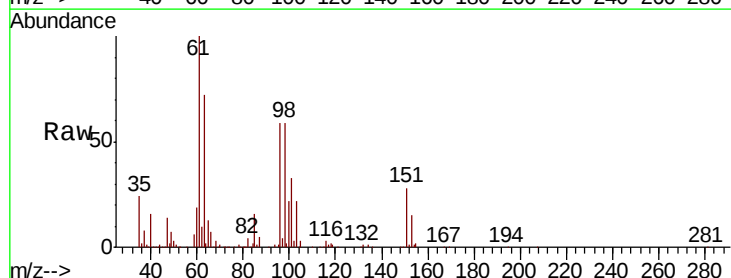
Tgt Ion: 96 Resp: 155719

Ion Ratio Lower Upper

96 100

61 168.2 129.4 240.2

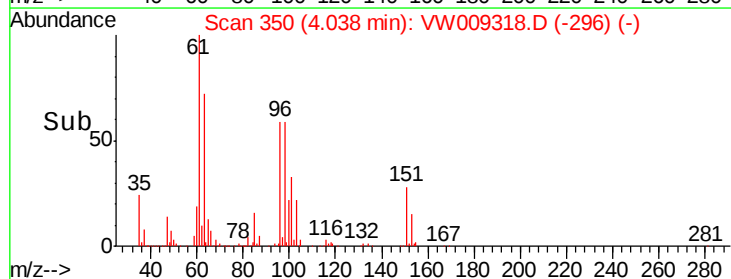
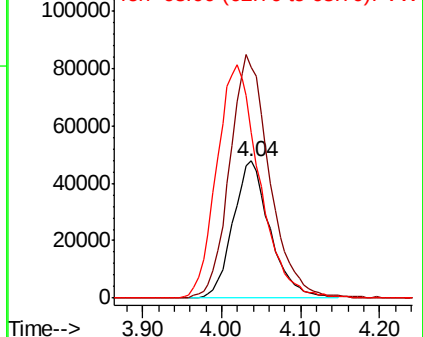
63 121.3 116.8 217.0

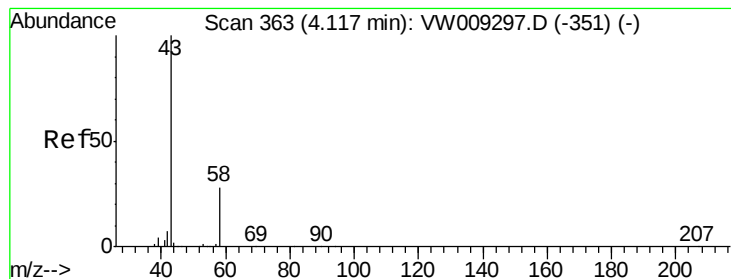


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.478 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

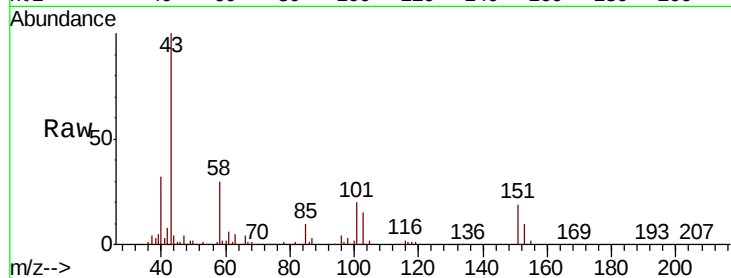
ClientSampled :

Tot Ion: 43 Resp: 103858

Ion Ratio Lower Upper

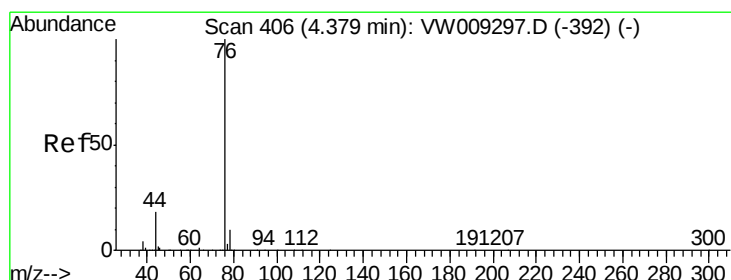
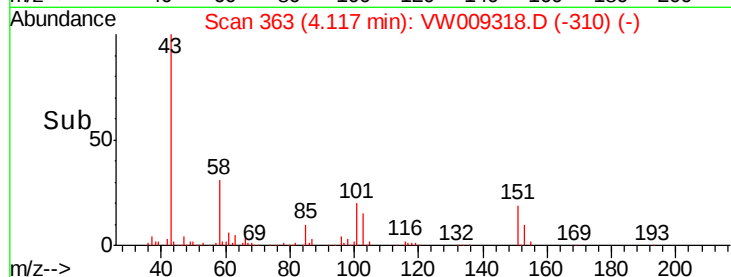
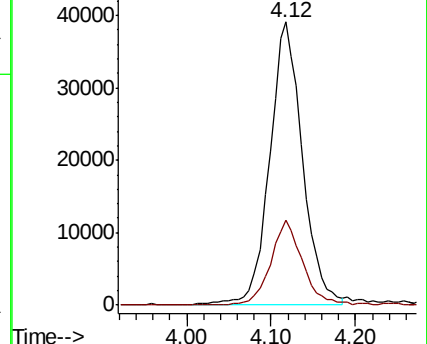
43 100

58 29.4 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 29.316 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009318.D

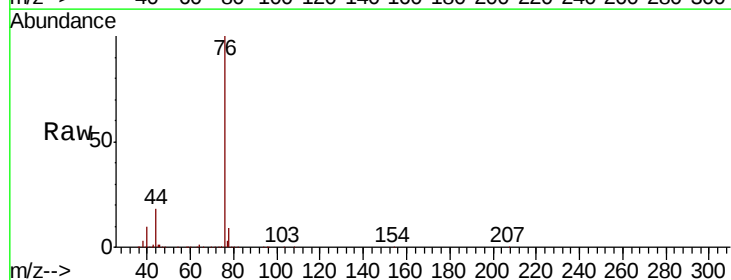
Acq: 21 Mar 2019 10:47

Tgt Ion: 76 Resp: 465582

Ion Ratio Lower Upper

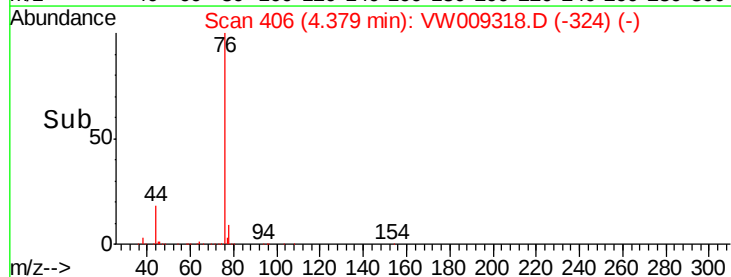
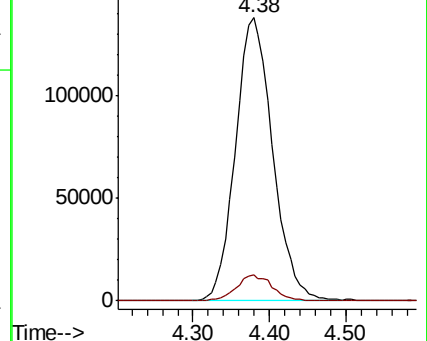
76 100

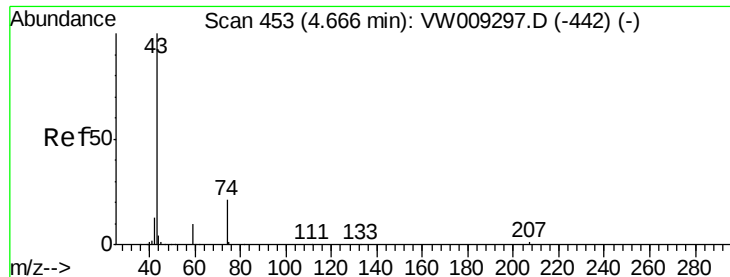
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

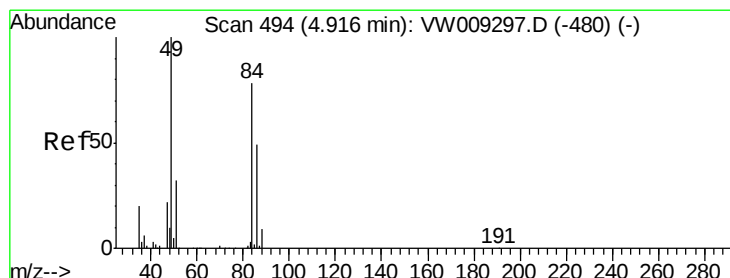
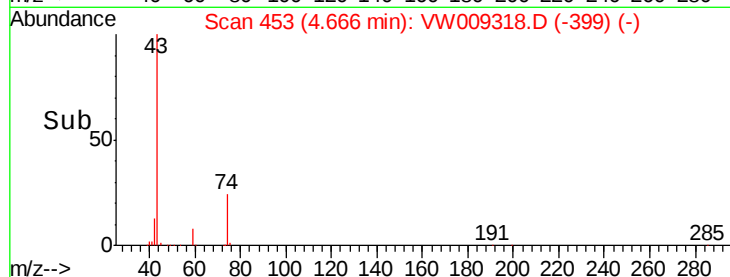
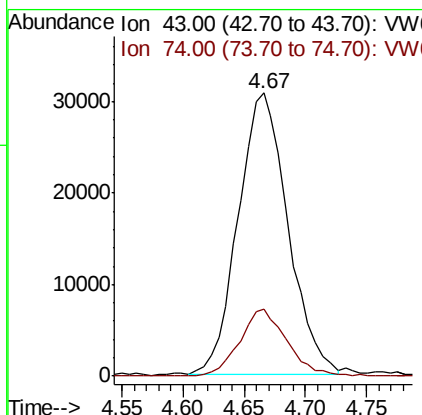
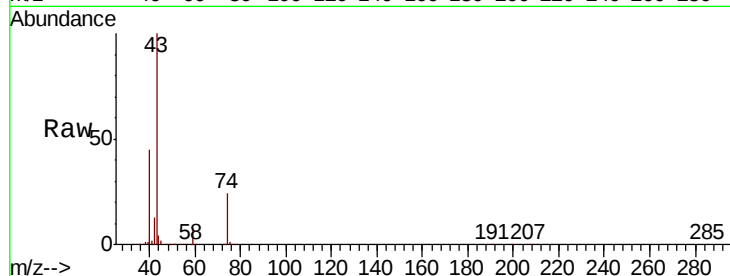




#15
Methvl Acetate
Concen: 22.733 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

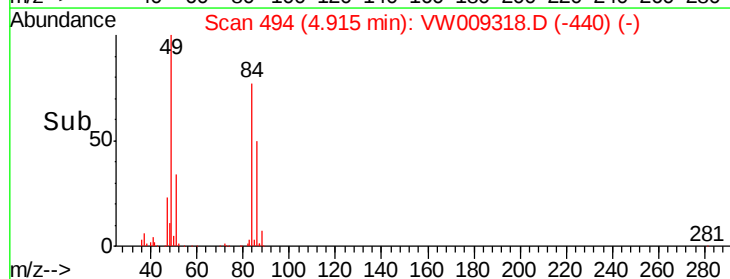
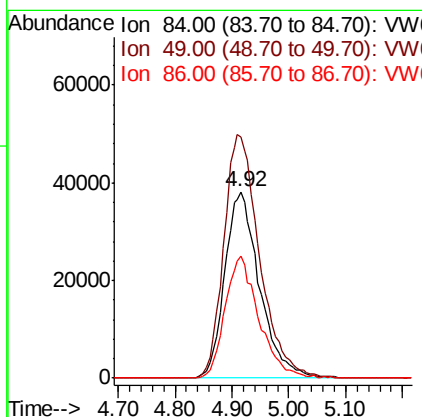
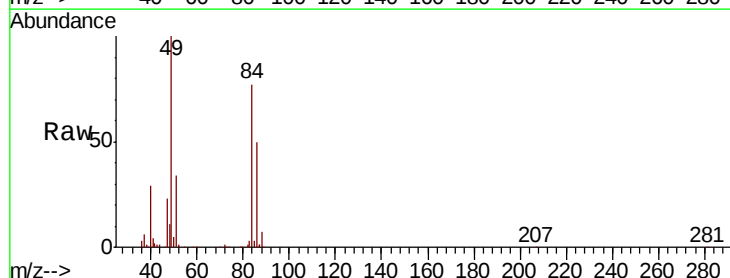
Instrument :
MSVOA_W
ClientSampleId :

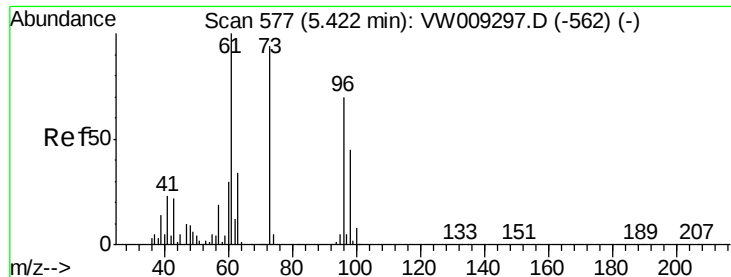
Tot Ion: 43 Resp: 86733
Ion Ratio Lower Upper
43 100
74 22.7 16.7 25.1



#16
Methylene chloride
Concen: 23.174 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Tgt Ion: 84 Resp: 161938
Ion Ratio Lower Upper
84 100
49 129.5 96.0 178.2
86 65.4 44.4 82.5

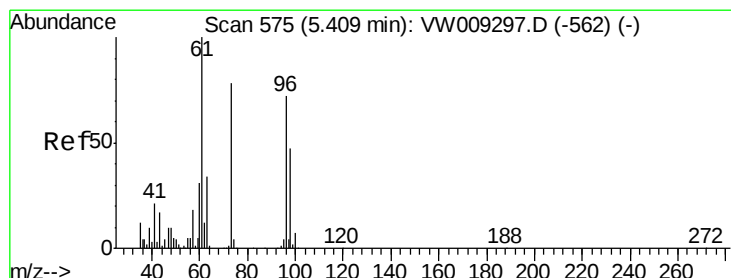
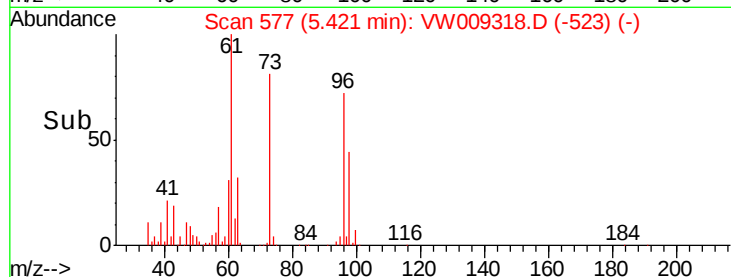
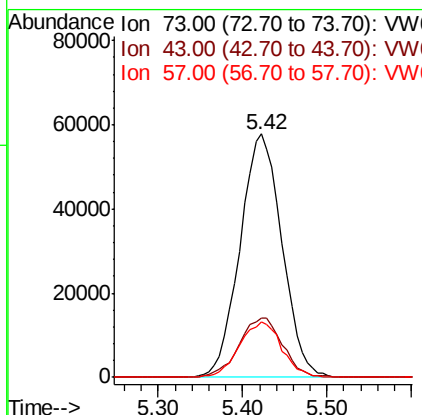
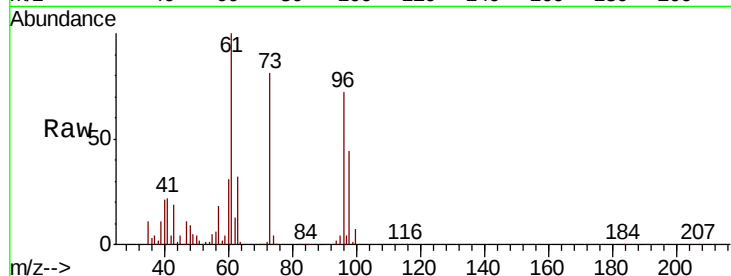




#17
Methvl tert-butvl Ether
Concen: 23.438 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

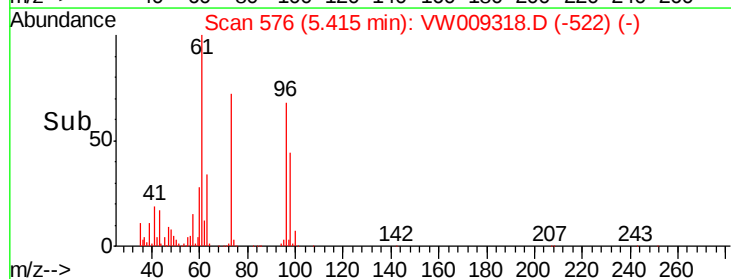
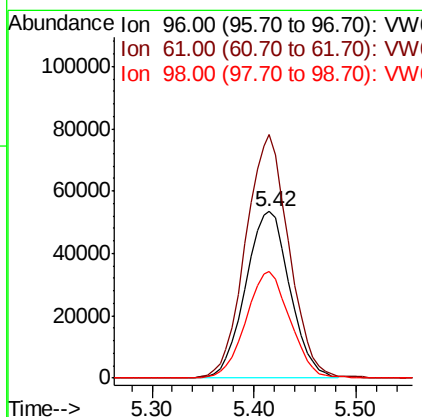
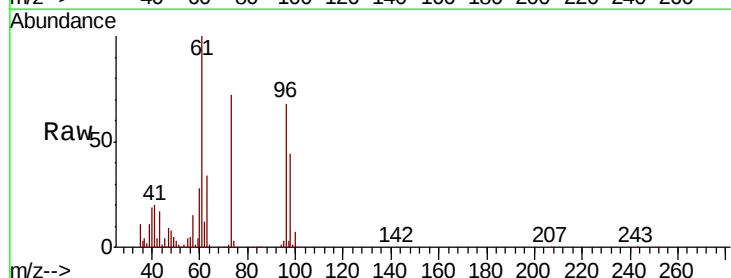
Instrument :
MSVOA_W
ClientSampleId :

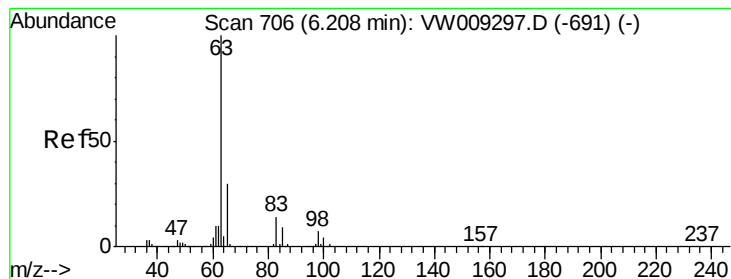
Tot Ion	73	Resp	195699
Ion Ratio	Lower	Upper	
73	100		
43	25.2	18.2	27.4
57	23.0	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 26.018 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Tgt Ion	96	Resp	161418
Ion Ratio	Lower	Upper	
96	100		
61	146.0	96.7	179.5
98	64.2	43.8	81.4





#19

1,1-Dichloroethane

Concen: 26.154 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

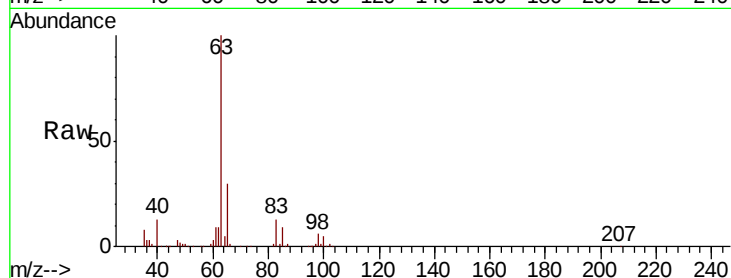
Tot Ion: 63 Resp: 295866

Ion Ratio Lower Upper

63 100

65 30.4 21.6 40.0

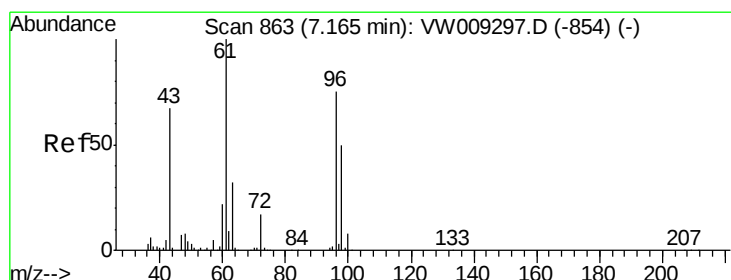
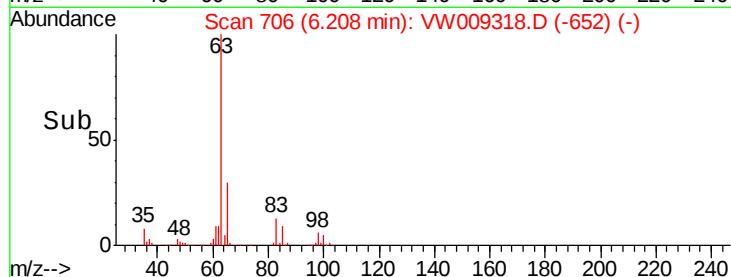
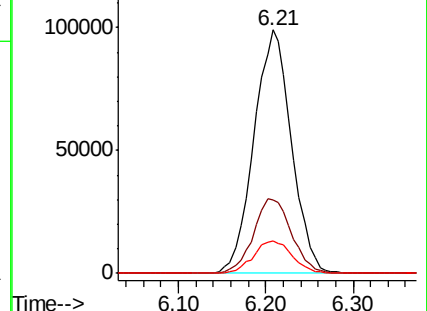
83 13.3 10.1 18.7



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: 47.237 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009318.D

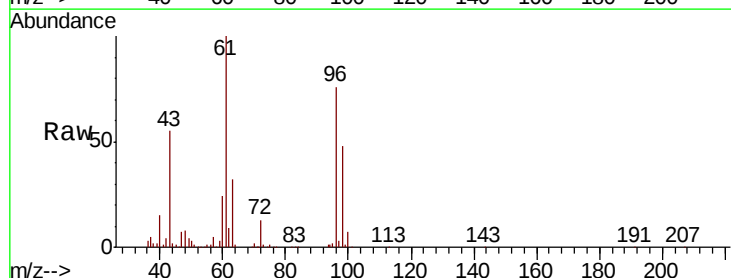
Acq: 21 Mar 2019 10:47

Tgt Ion: 43 Resp: 126667

Ion Ratio Lower Upper

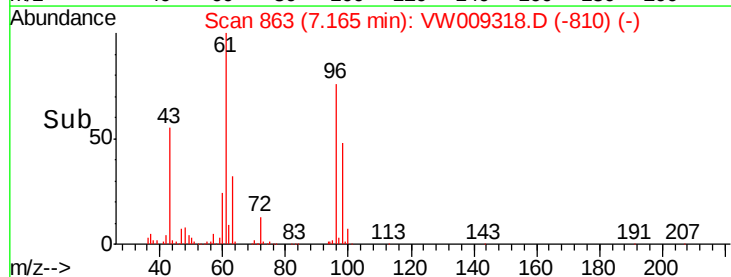
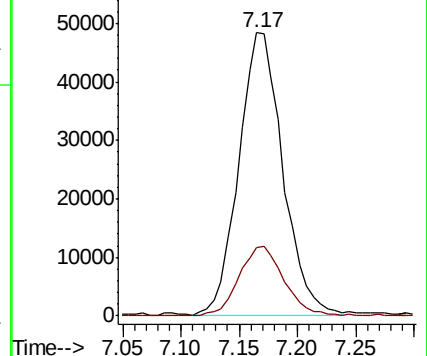
43 100

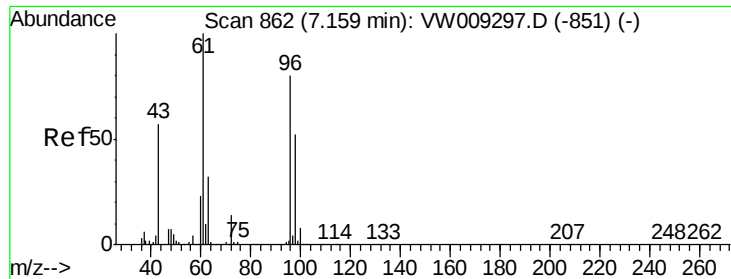
72 25.1 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



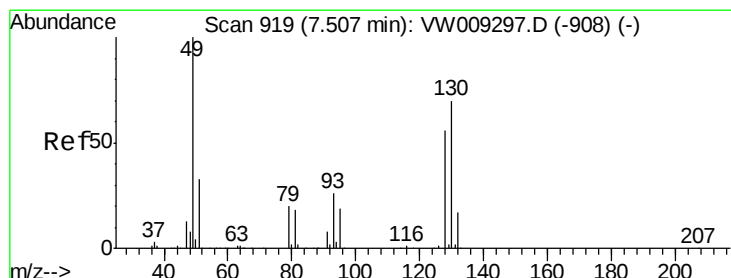
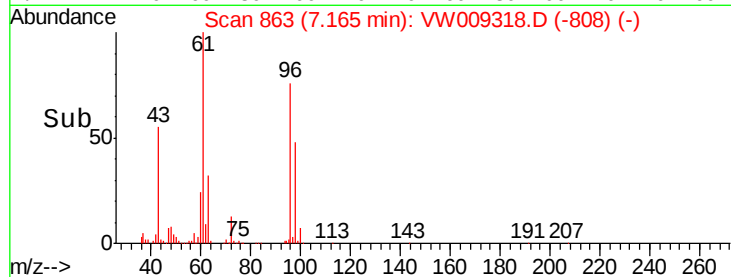
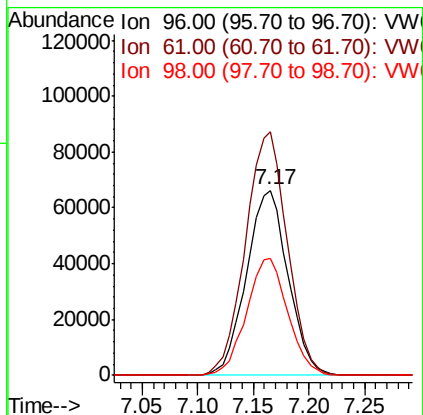
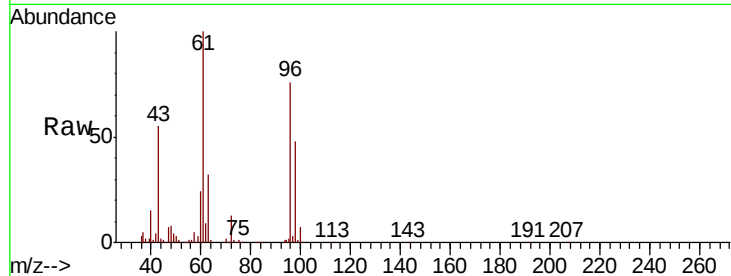


#22

cis-1,2-Dichloroethene
Concen: 25.698 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Instrument :
MSVOA_W
ClientSampled :

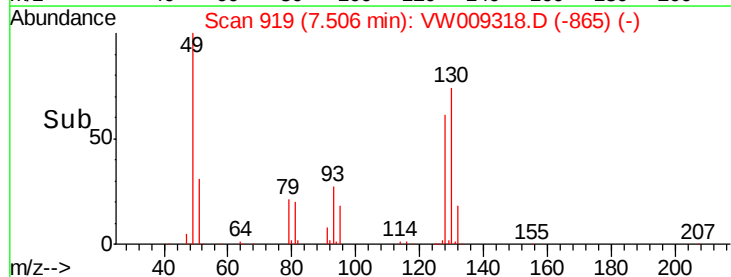
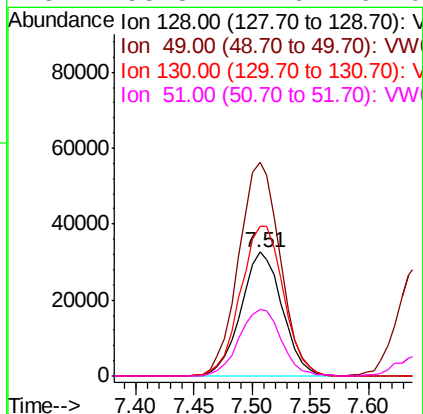
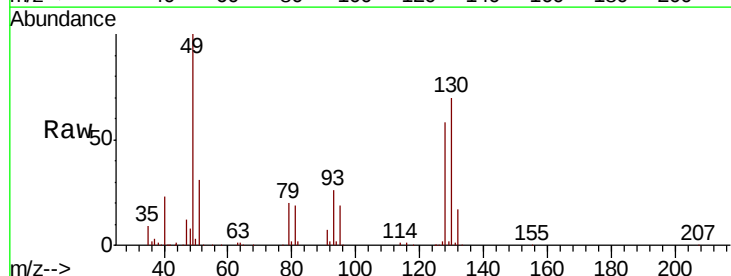
Tot Ion: 96 Resp: 172713
Ion Ratio Lower Upper
96 100
61 131.8 90.6 168.3
98 63.5 44.0 81.8

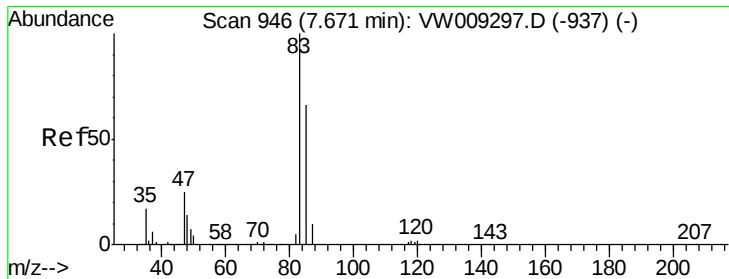


#23

Bromochloromethane
Concen: 25.011 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Tgt Ion: 128 Resp: 80622
Ion Ratio Lower Upper
128 100
49 172.1 118.4 219.8
130 120.8 87.8 163.2
51 53.3 44.6 67.0





#25

Chloroform

Concen: 26.165 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

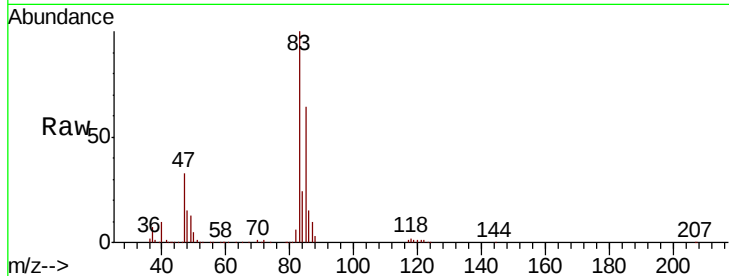
ClientSampled :

Tot Ion: 83 Resp: 309964

Ion Ratio Lower Upper

83 100

85 64.5 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

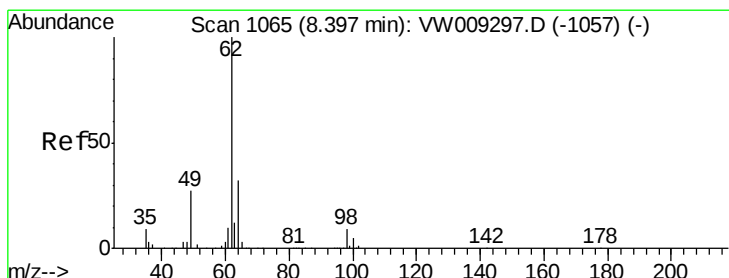
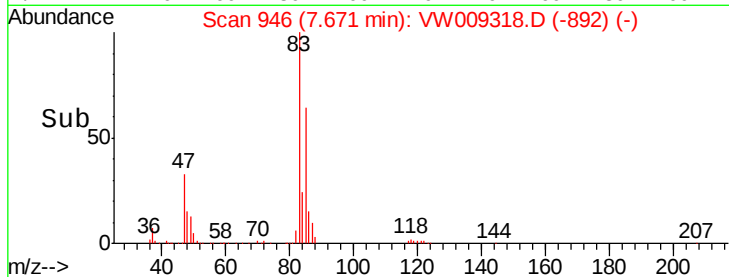
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 25.222 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009318.D

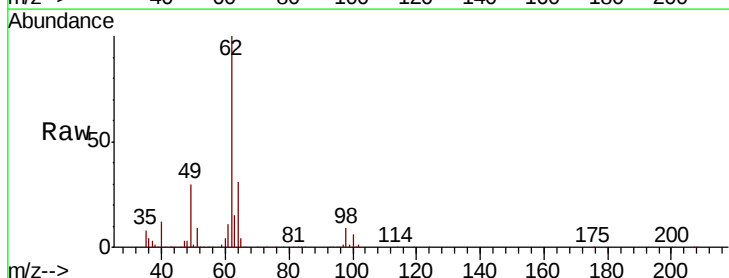
Acq: 21 Mar 2019 10:47

Tgt Ion: 62 Resp: 222771

Ion Ratio Lower Upper

62 100

98 8.8 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

120000

100000

80000

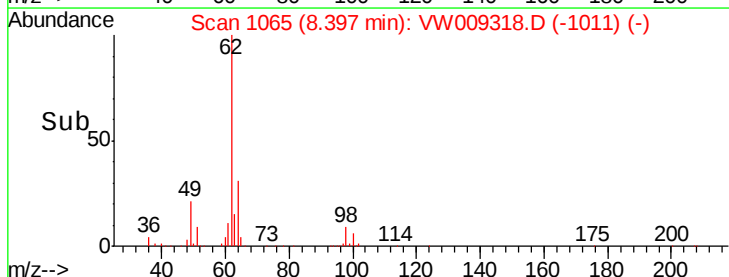
60000

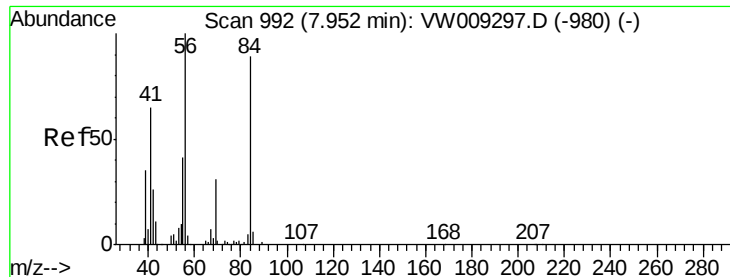
40000

20000

0

Time-->

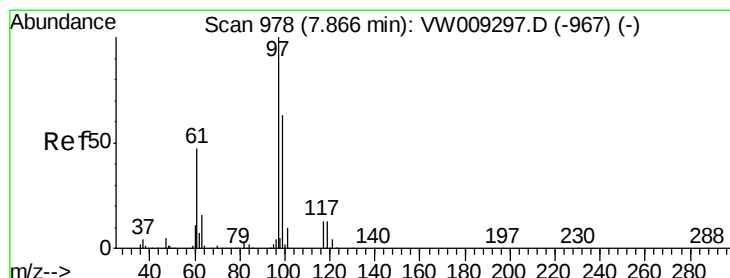
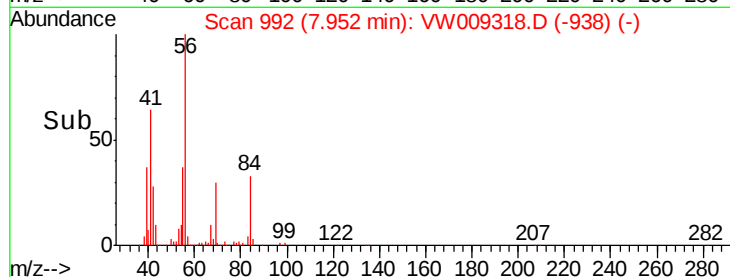
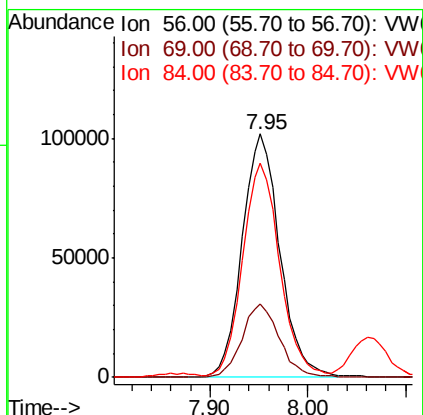
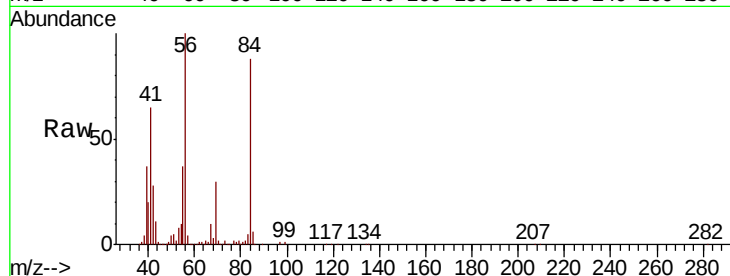




#30
Cyclohexane
Concen: 26.771 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

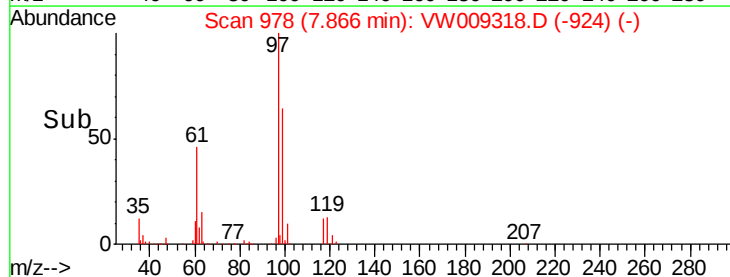
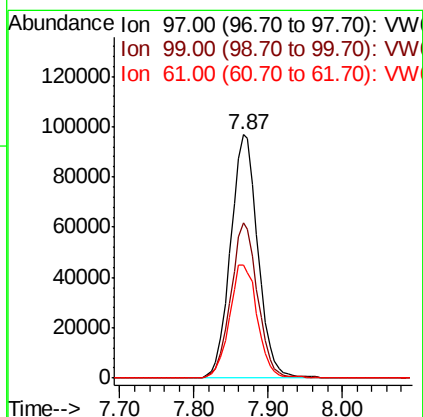
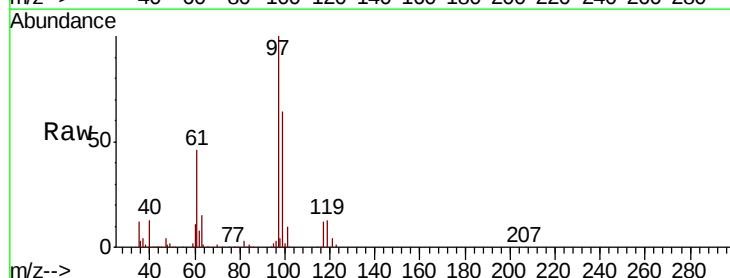
Instrument :
MSVOA_W
ClientSampled :

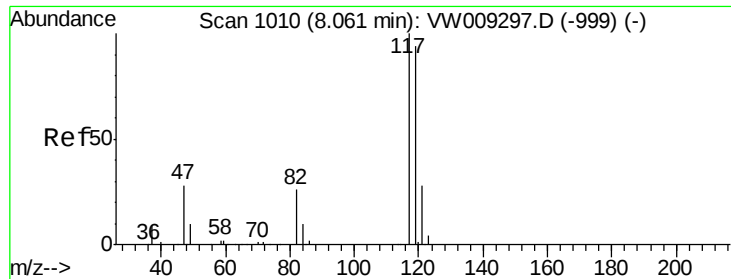
Tot Ion: 56 Resp: 272903
Ion Ratio Lower Upper
56 100
69 30.0 24.0 36.0
84 86.7 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 27.711 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Tgt Ion: 97 Resp: 248422
Ion Ratio Lower Upper
97 100
99 62.6 51.2 76.8
61 47.7 38.4 57.6



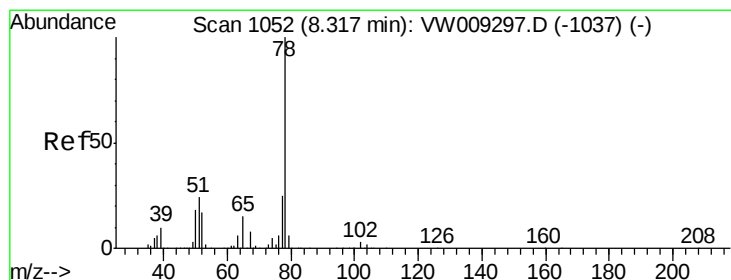
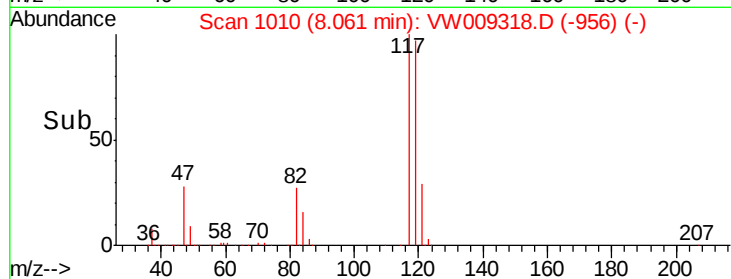
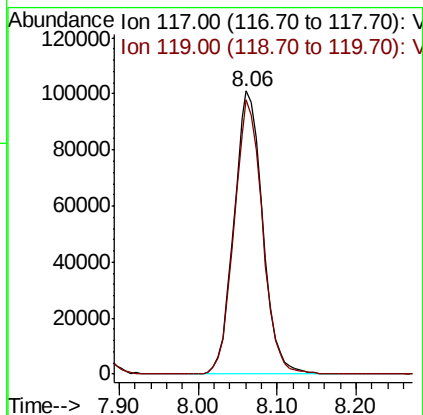
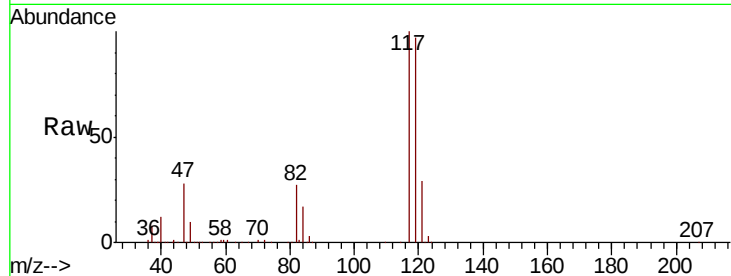


#32

Carbon tetrachloride
Concen: 28.179 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Instrument :
MSVOA_W
ClientSampled :

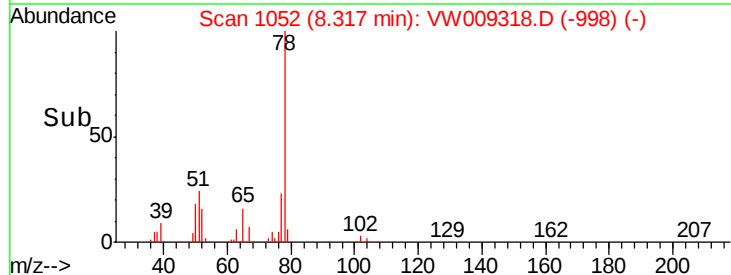
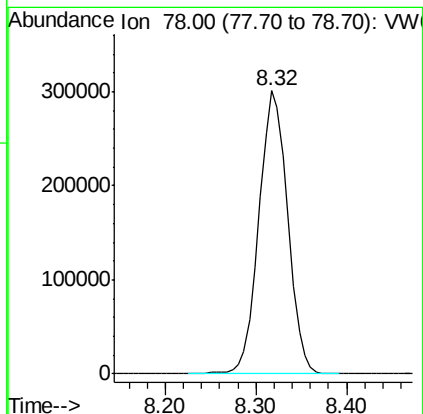
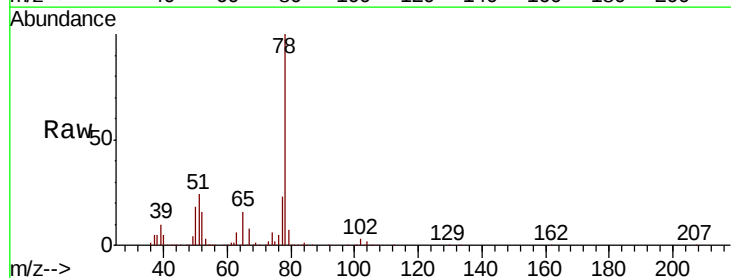
Tot Ion:117 Resp: 254878
Ion Ratio Lower Upper
117 100
119 95.9 78.0 117.0

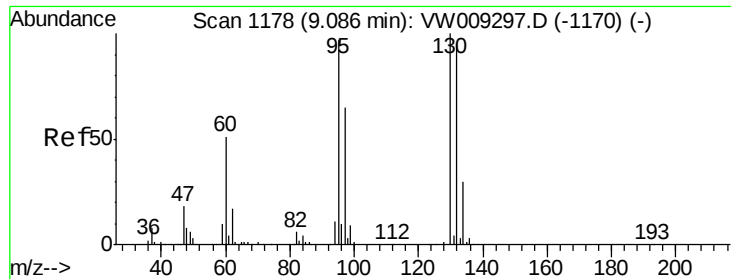


#34

Benzene
Concen: 26.918 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Tgt Ion: 78 Resp: 661313

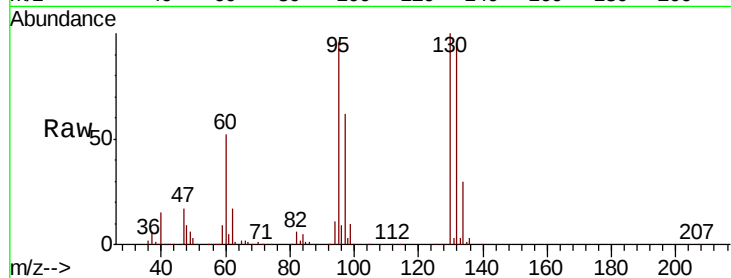




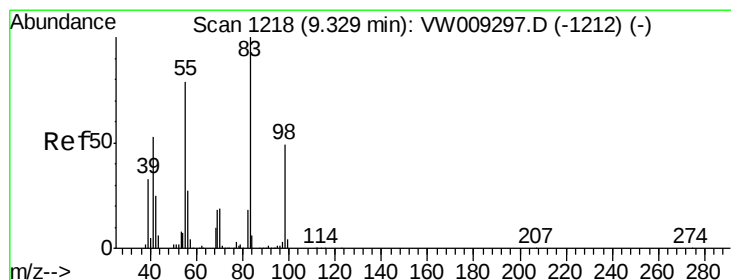
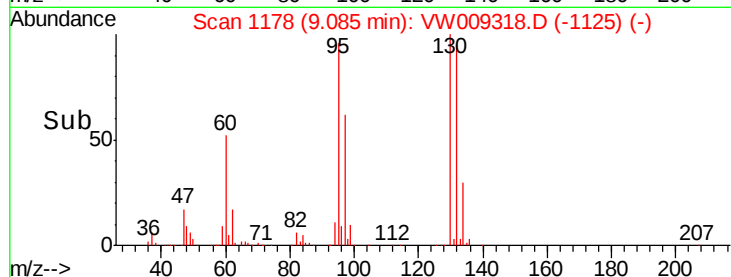
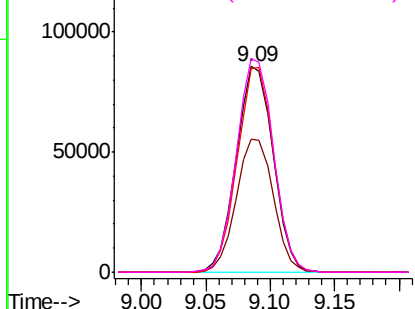
#35
 Trichloroethene
 Concen: 26.028 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	95	Resp	170389
Ion Ratio	Lower	Upper	
95	100		
97	65.3	44.7	82.9
132	98.6	69.0	128.2
130	104.0	72.7	134.9

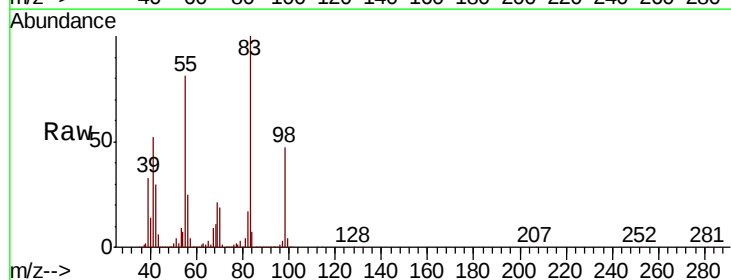


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

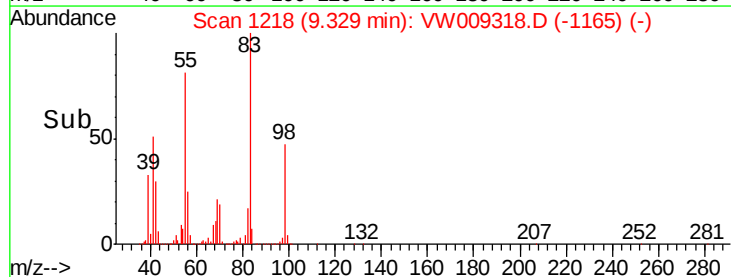
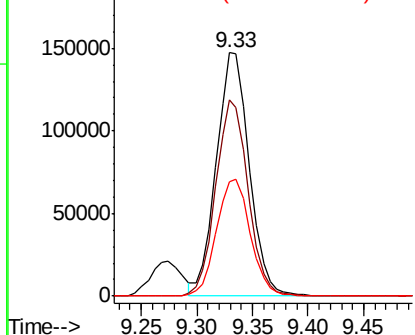


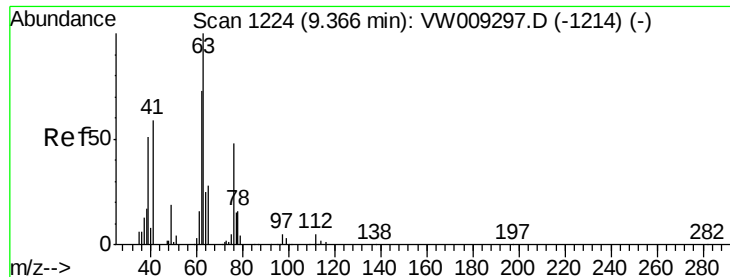
#36
 Methylcyclohexane
 Concen: 26.696 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

Tgt Ion	83	Resp	302355
Ion Ratio	Lower	Upper	
83	100		
55	79.6	63.5	95.3
98	49.2	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

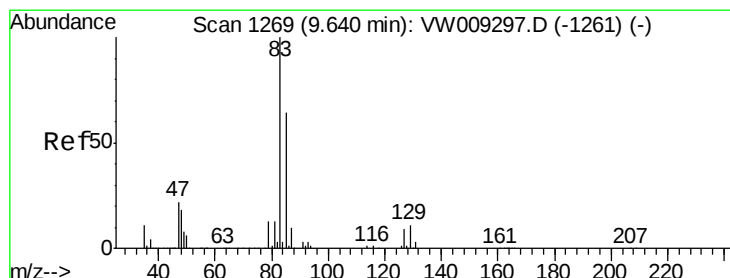
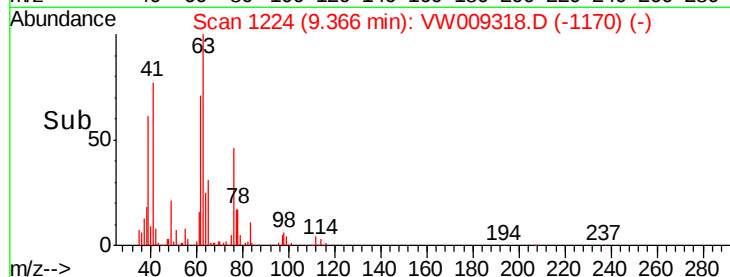
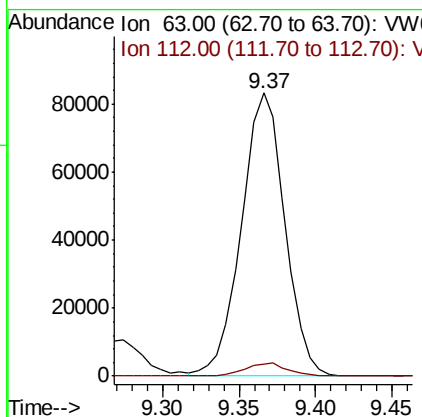
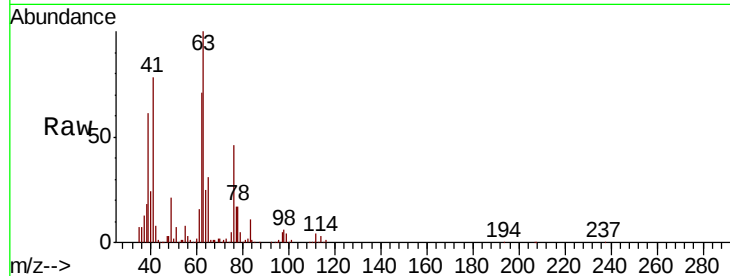




#40
 1,2-Dichloropropane
 Concen: 25.974 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

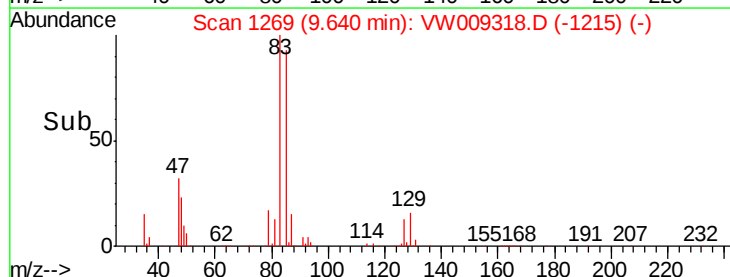
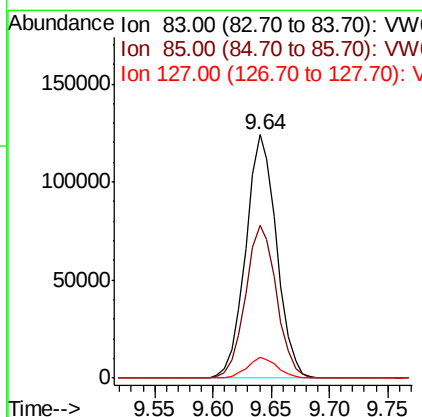
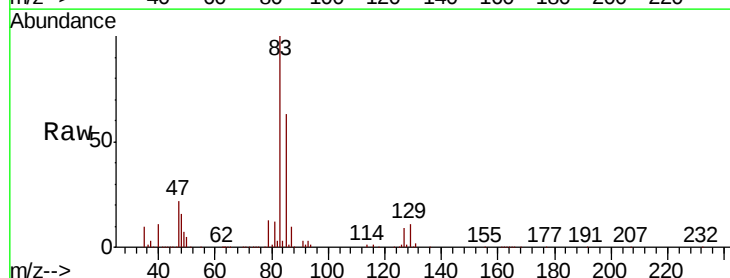
Instrument :
 MSVOA_W
 ClientSampled :

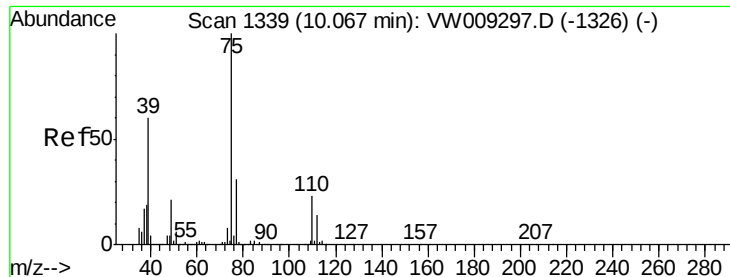
Tot Ion: 63 Resp: 163746
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.0 6.0



#41
 Bromodichloromethane
 Concen: 26.164 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

Tgt Ion: 83 Resp: 228542
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.5 80.7
 127 8.6 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 25.885 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

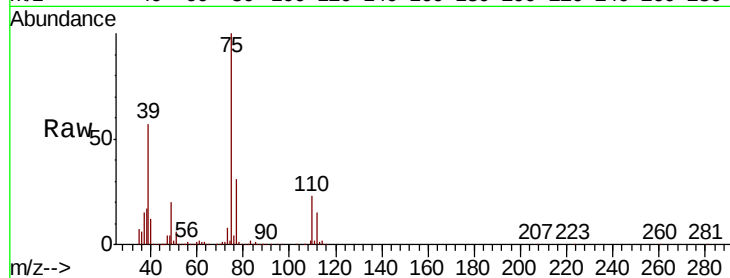
ClientSampleId :

Tot Ion: 75 Resp: 265786

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

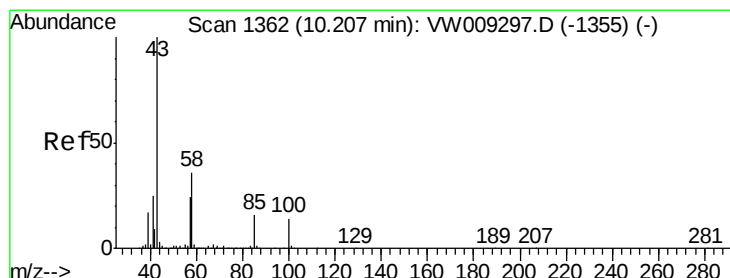
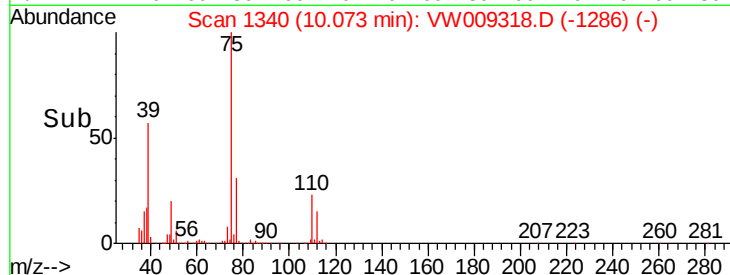
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 45.387 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

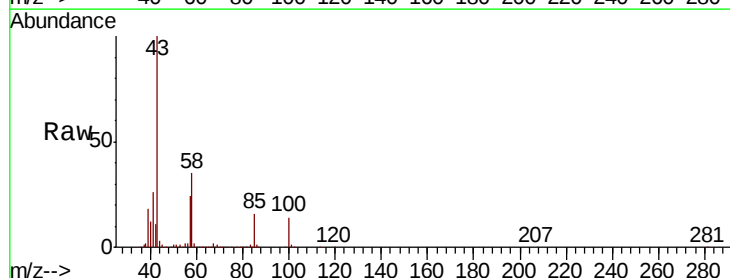
Tgt Ion: 43 Resp: 259280

Ion Ratio Lower Upper

43 100

58 35.6 28.2 42.2

100 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

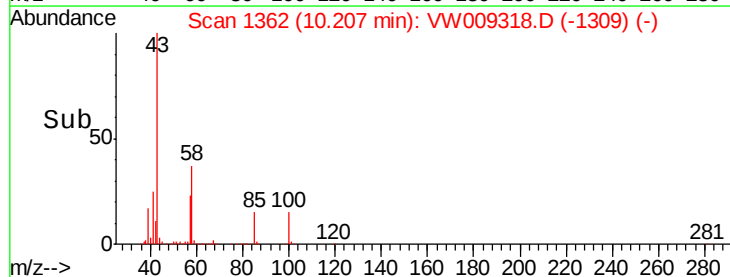
150000

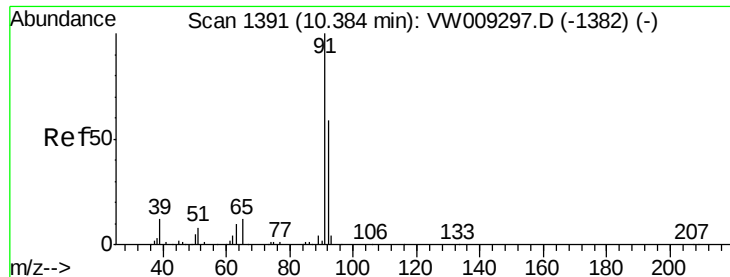
100000

50000

0

Time-->





#44

Toluene

Concen: 26.566 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

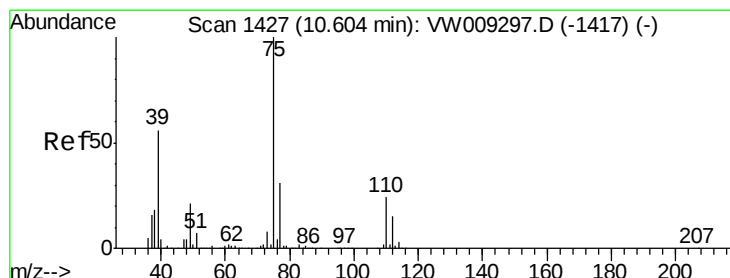
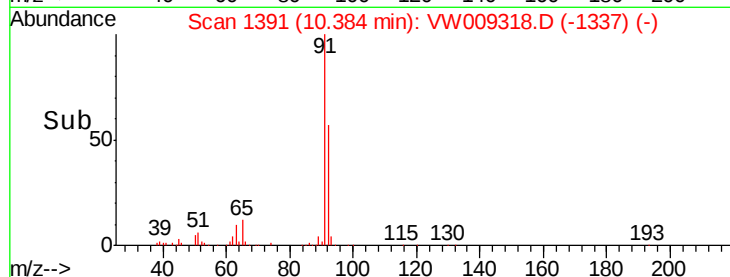
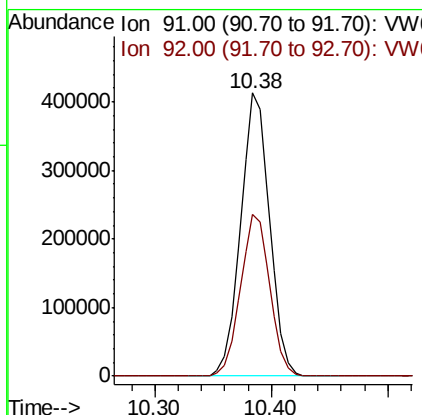
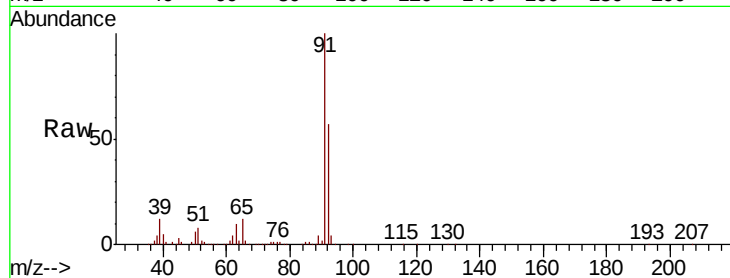
ClientSampleId :

Tot Ion: 91 Resp: 713593

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 25.751 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009318.D

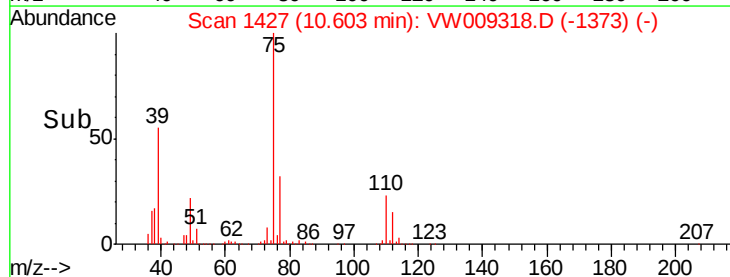
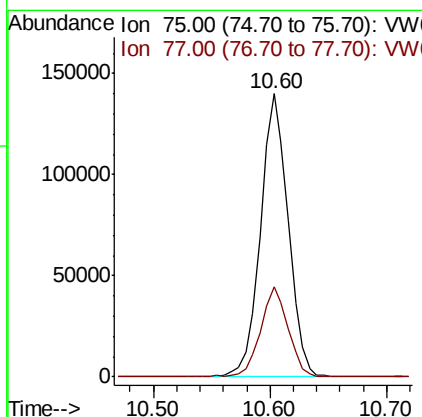
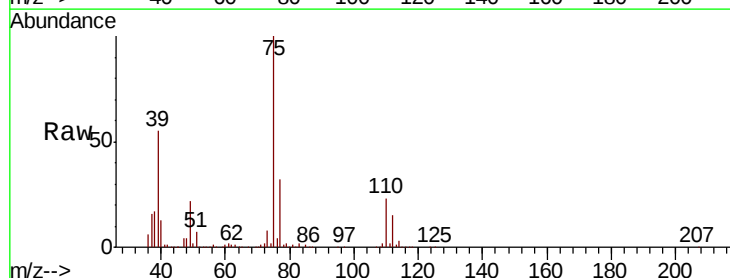
Acq: 21 Mar 2019 10:47

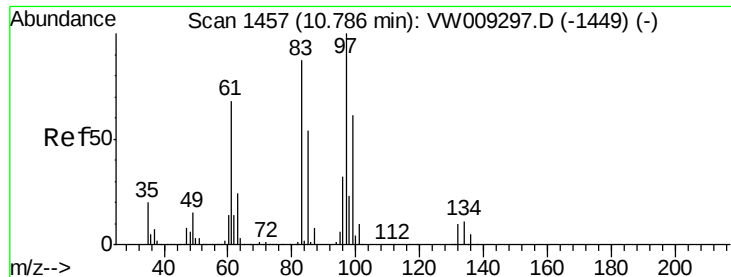
Tgt Ion: 75 Resp: 230013

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 25.248 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 126984

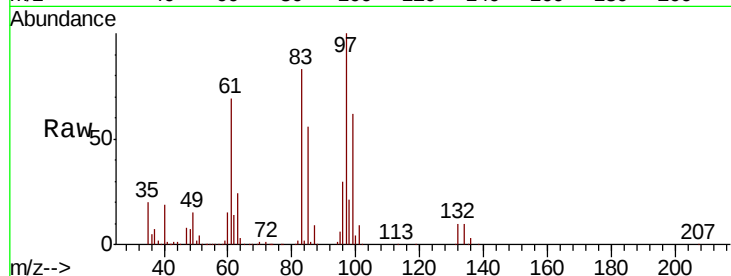
Ion Ratio Lower Upper

97 100

83 83.1 60.7 112.7

85 56.5 40.1 74.5

99 61.9 43.8 81.3



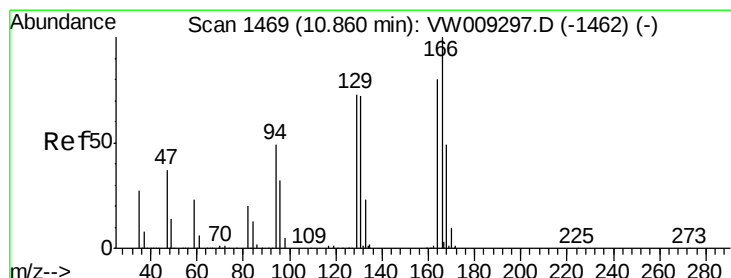
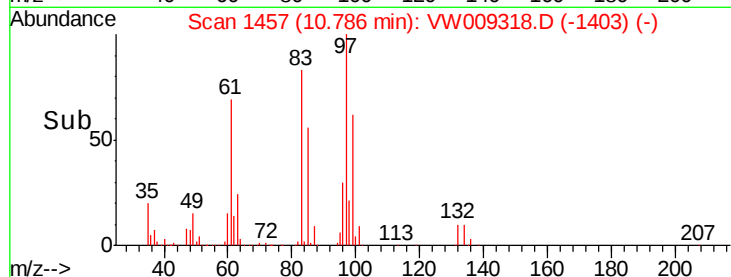
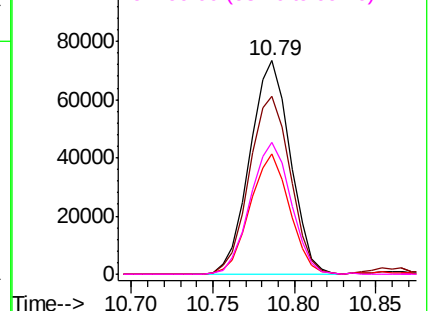
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.707 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Tgt Ion: 164 Resp: 142195

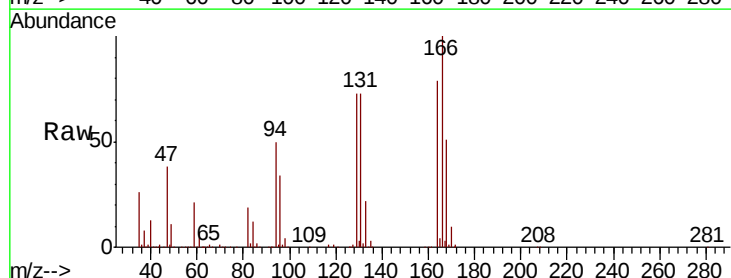
Ion Ratio Lower Upper

164 100

129 91.9 66.5 123.5

131 92.3 62.6 116.3

166 126.1 91.6 170.0



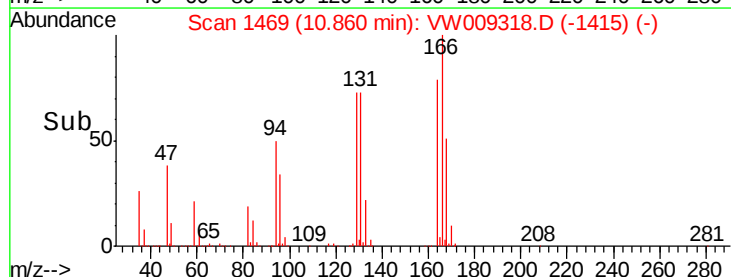
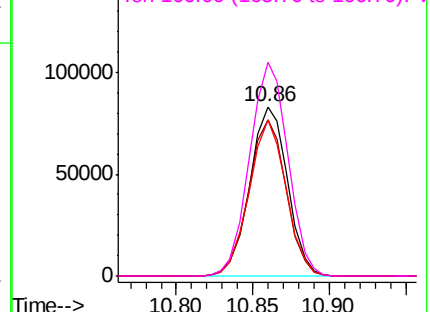
Abundance

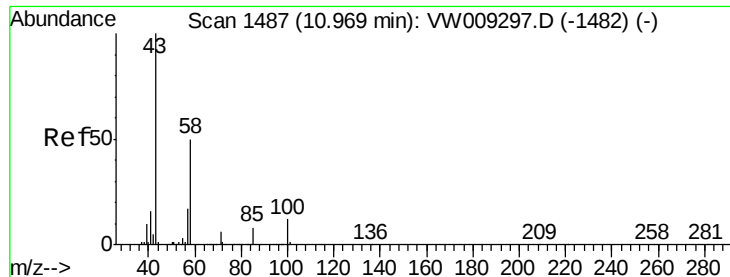
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

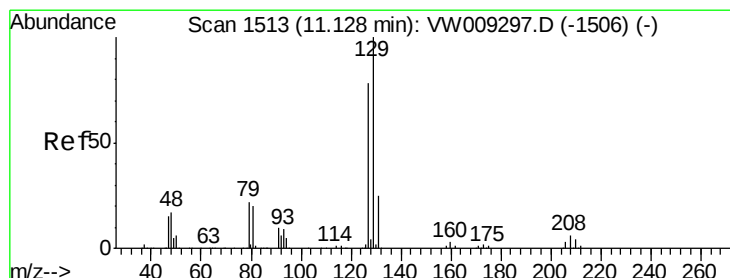
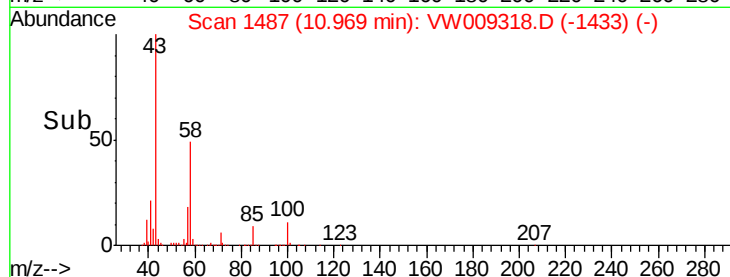
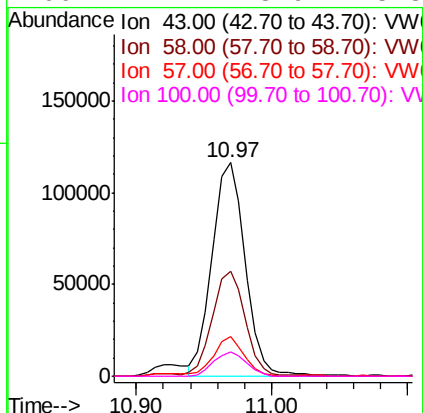
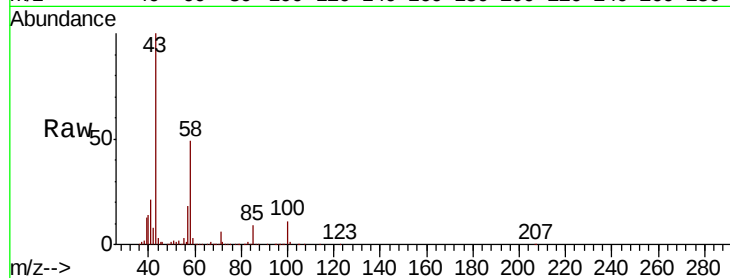




#49
2-Hexanone
Concen: 49.129 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

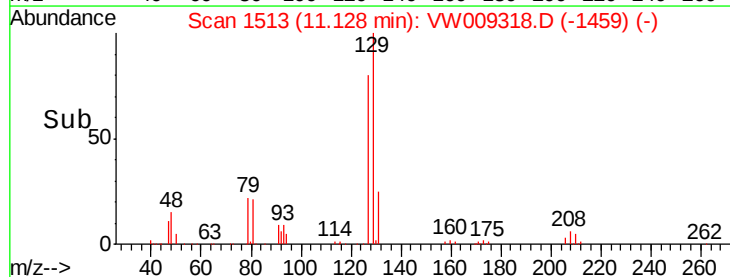
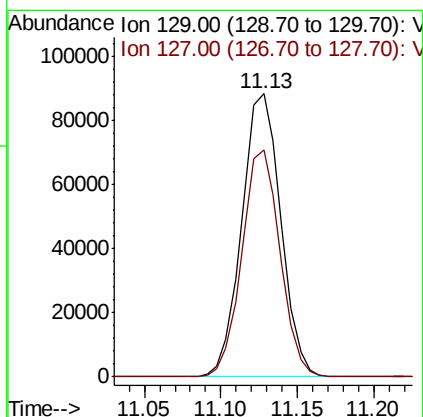
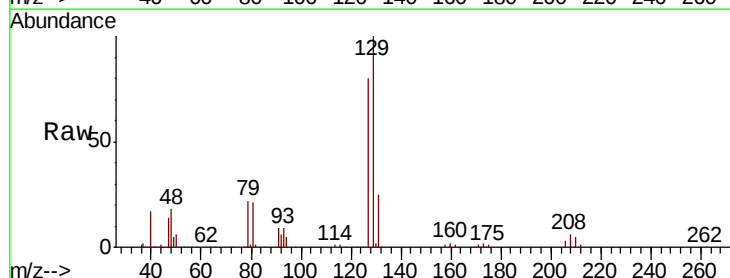
Instrument :
MSVOA_W
ClientSampleId :

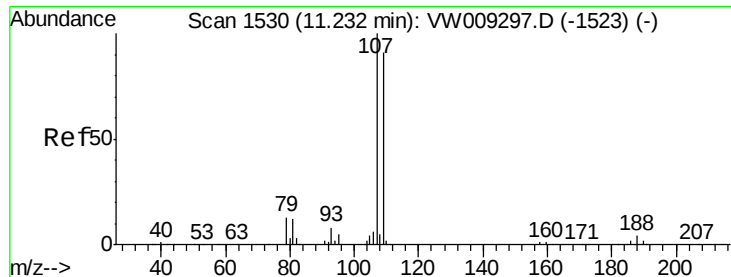
Tot Ion: 43 Resp: 197670
Ion Ratio Lower Upper
43 100
58 48.5 39.2 58.8
57 16.7 14.2 21.2
100 11.1 8.9 13.3



#50
Dibromochloromethane
Concen: 25.288 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Tgt Ion: 129 Resp: 157008
Ion Ratio Lower Upper
129 100
127 80.4 56.8 105.6

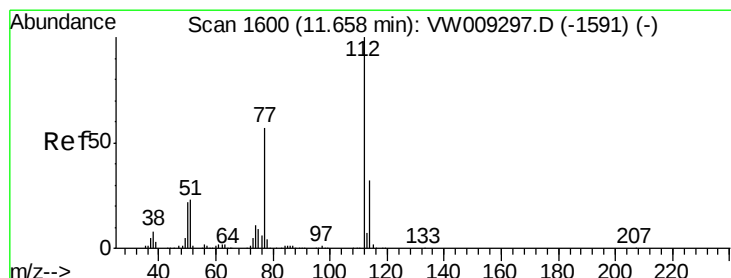
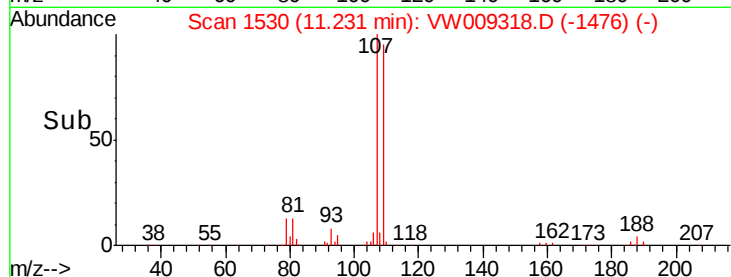
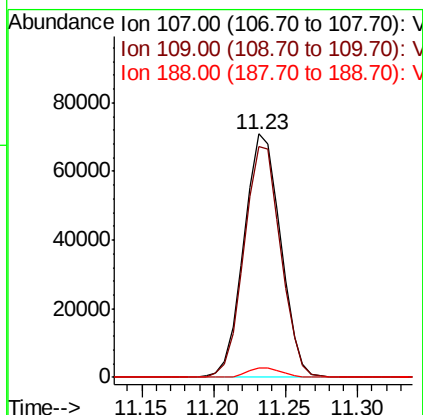
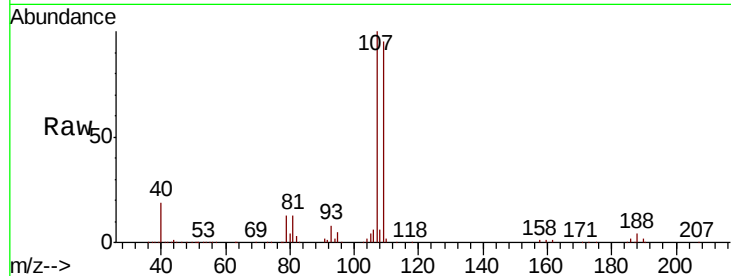




#51
 1,2-Dibromoethane
 Concen: 24.580 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

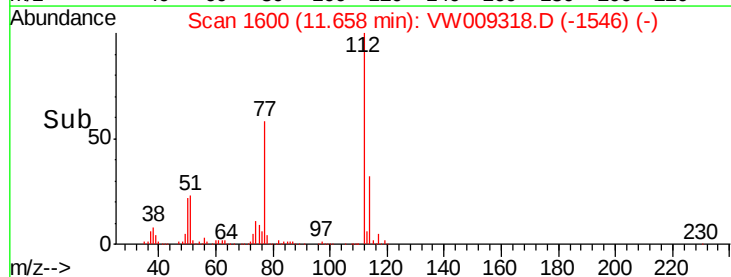
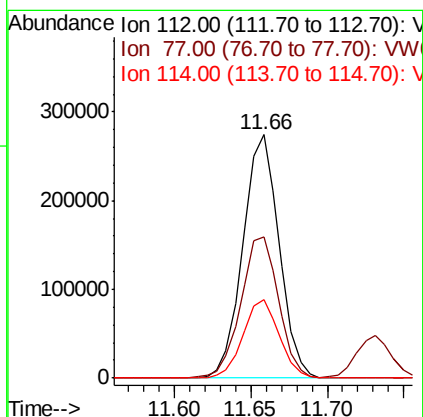
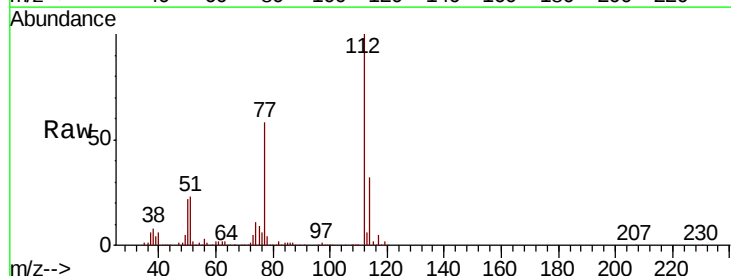
Instrument :
 MSVOA_W
 ClientSampleId :

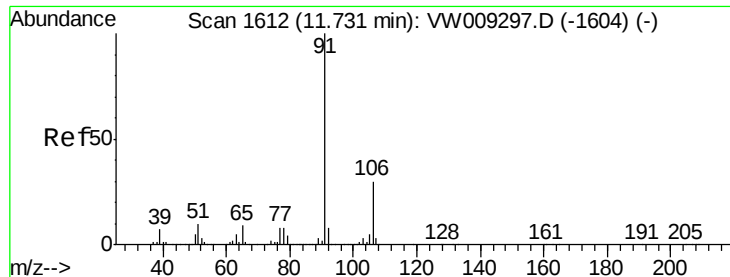
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	68.0	126.4
188	3.6	3.5	5.3



#52
 Chlorobenzene
 Concen: 26.202 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.0	45.7	68.5
114	32.3	22.8	42.4

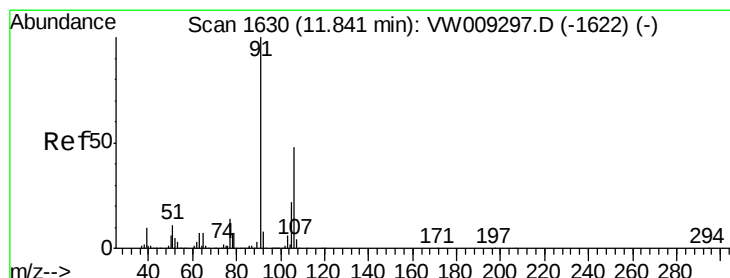
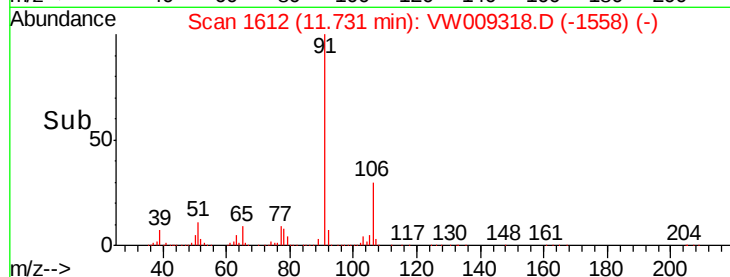
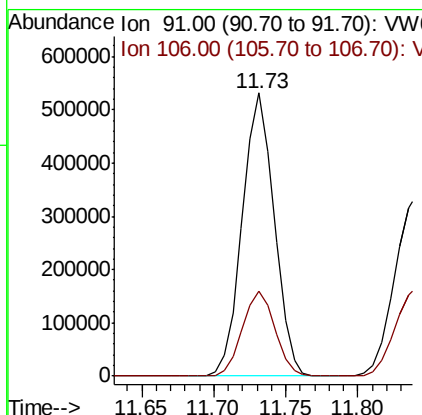
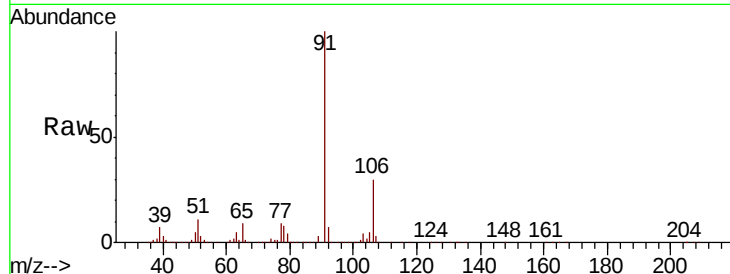




#53
Ethylbenzene
Concen: 27.116 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

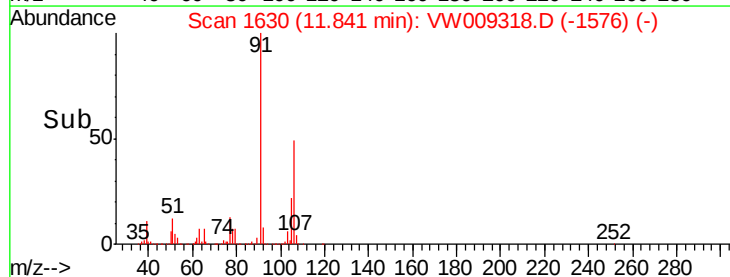
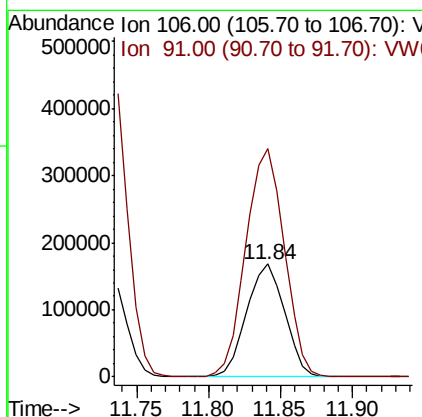
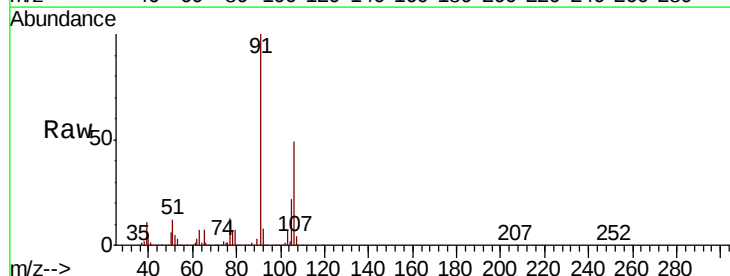
Instrument :
MSVOA_W
ClientSampleId :

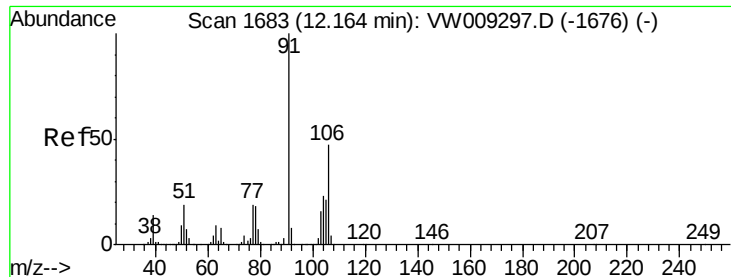
Tot Ion: 91 Resp: 818884
Ion Ratio Lower Upper
91 100
106 29.9 21.0 39.0



#54
m,p-Xylene
Concen: 26.848 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009318.D
Acq: 21 Mar 2019 10:47

Tgt Ion: 106 Resp: 308035
Ion Ratio Lower Upper
106 100
91 203.4 138.4 257.0





#55

o-xylene

Concen: 26.387 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

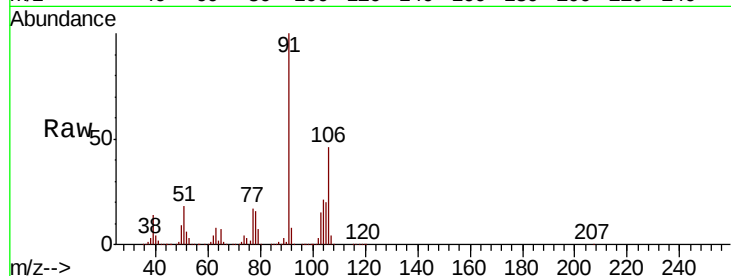
ClientSampled :

Tot Ion:106 Resp: 295351

Ion Ratio Lower Upper

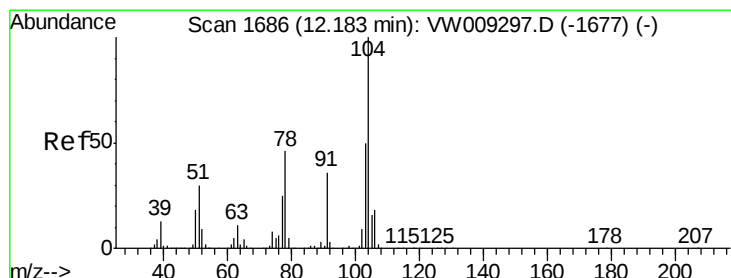
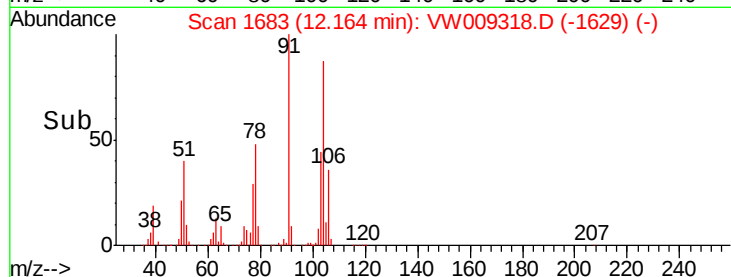
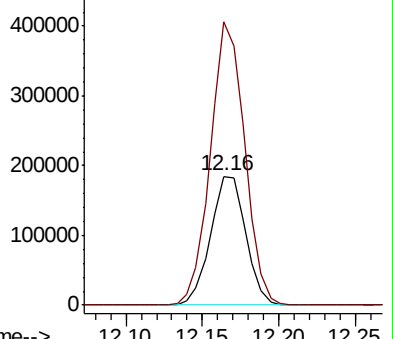
106 100

91 219.7 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.605 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009318.D

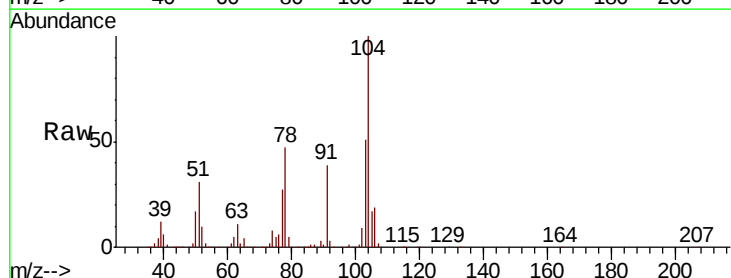
Acq: 21 Mar 2019 10:47

Tgt Ion:104 Resp: 508093

Ion Ratio Lower Upper

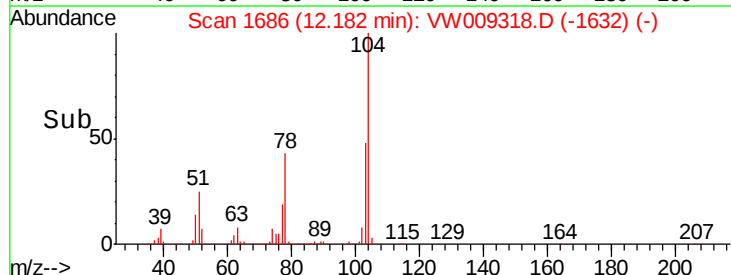
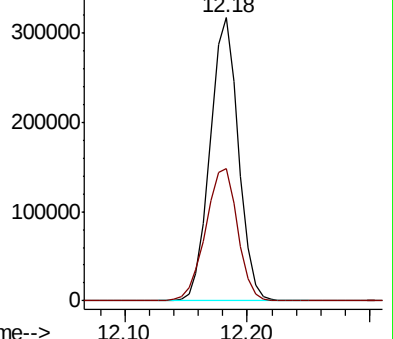
104 100

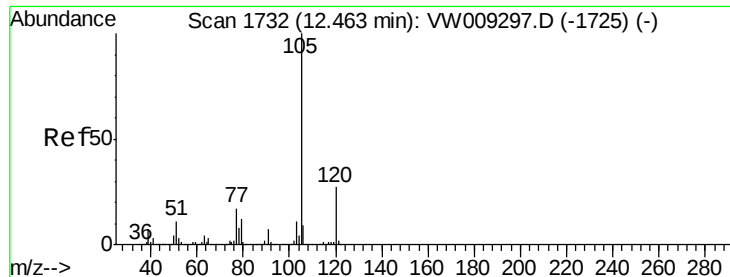
78 46.7 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.270 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

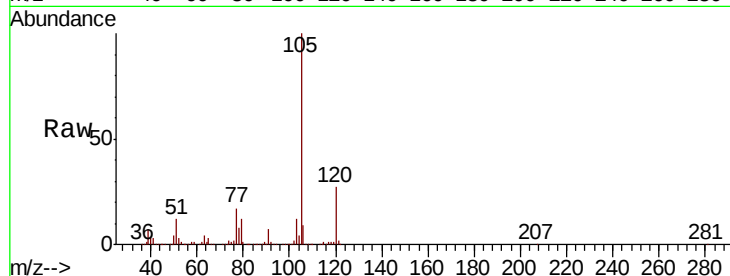
Tot Ion: 105 Resp: 817667

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

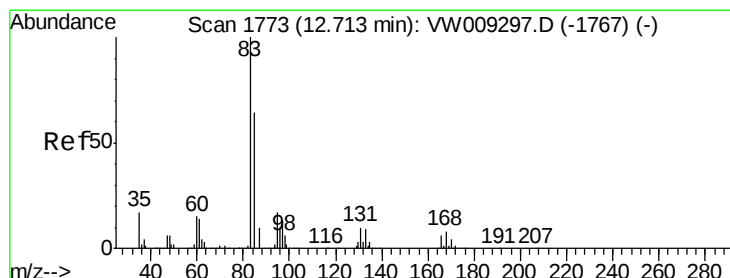
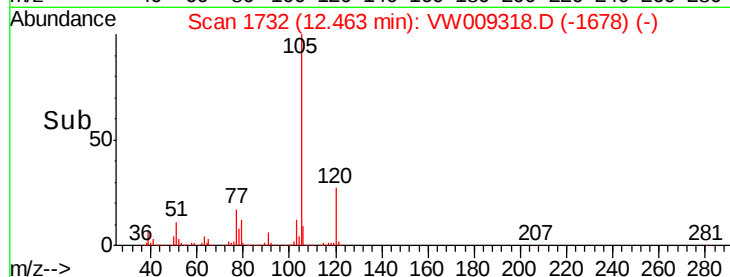
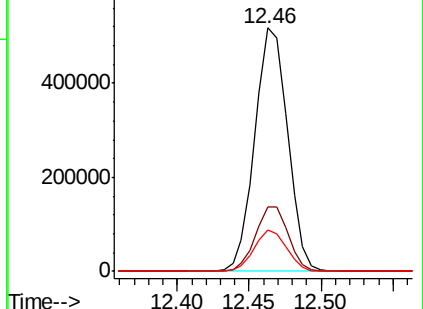
77 16.8 13.1 19.7



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: 24.572 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

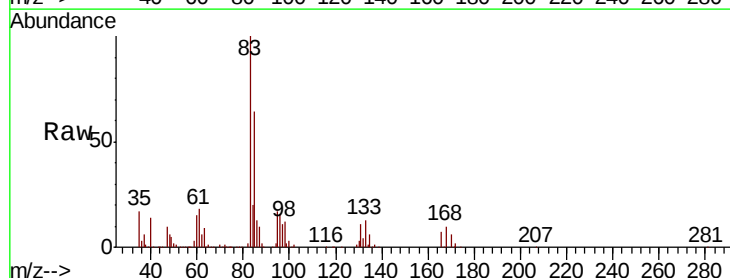
Tgt Ion: 83 Resp: 166721

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.8

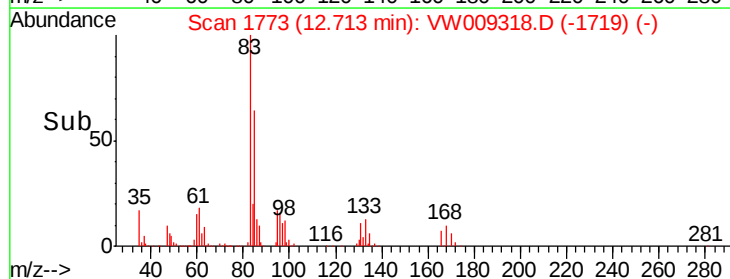
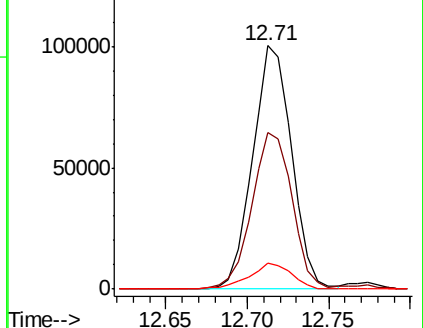
131 10.9 9.2 13.8

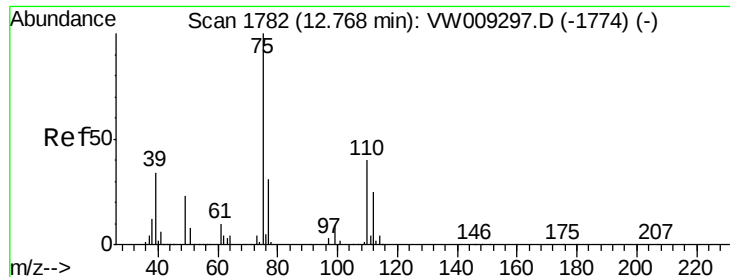


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.348 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

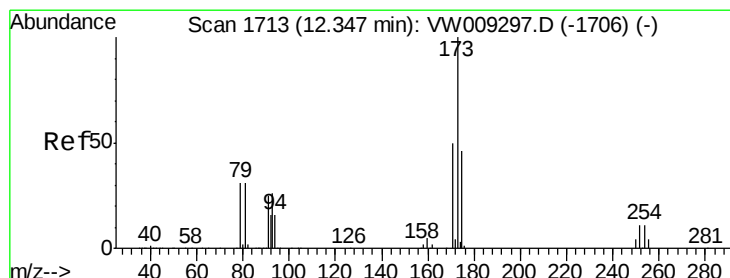
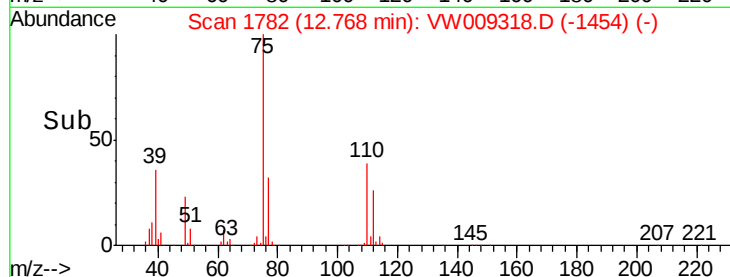
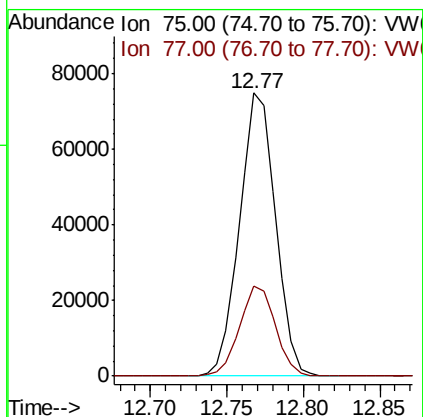
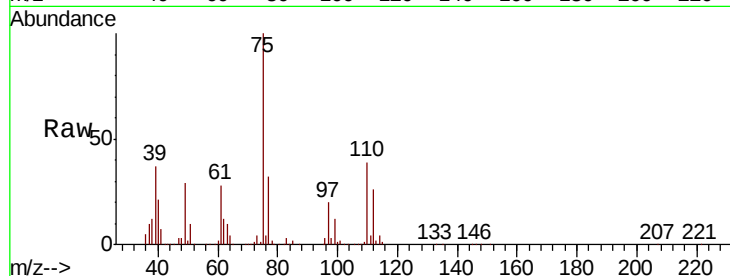
ClientSampleId :

Tot Ion: 75 Resp: 122605

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2



#62

Bromoform

Concen: 23.637 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

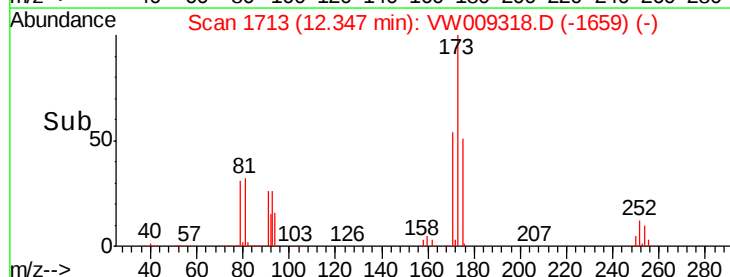
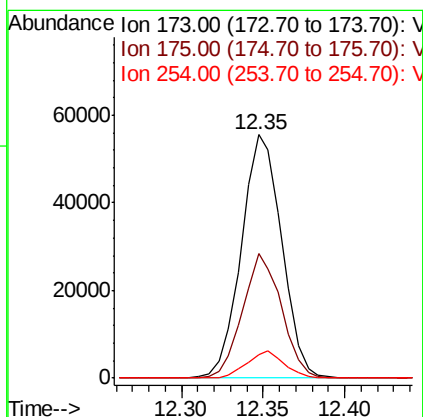
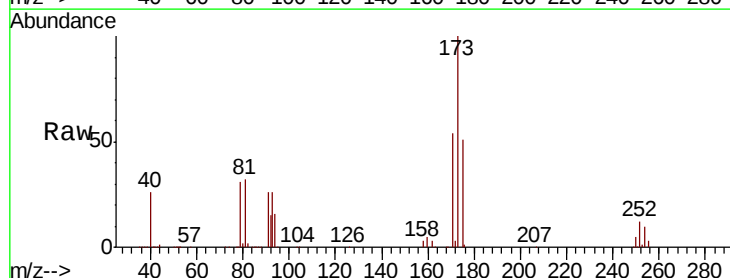
Tgt Ion: 173 Resp: 95514

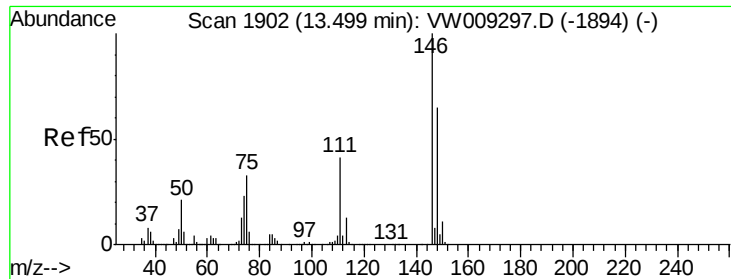
Ion Ratio Lower Upper

173 100

175 49.4 39.7 59.5

254 10.2 8.5 12.7

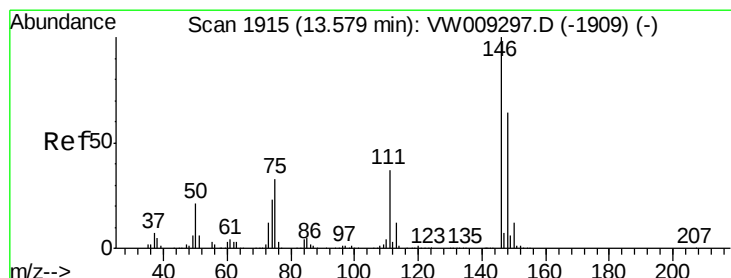
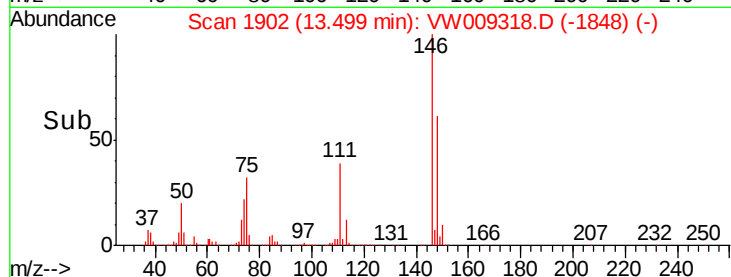
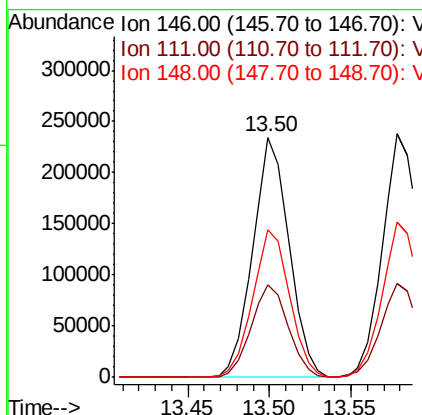
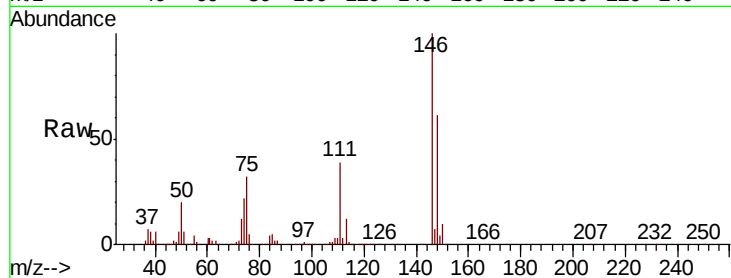




#63
 1,3-Dichlorobenzene
 Concen: 25.399 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

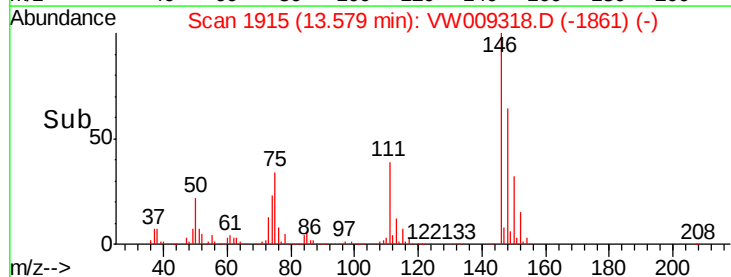
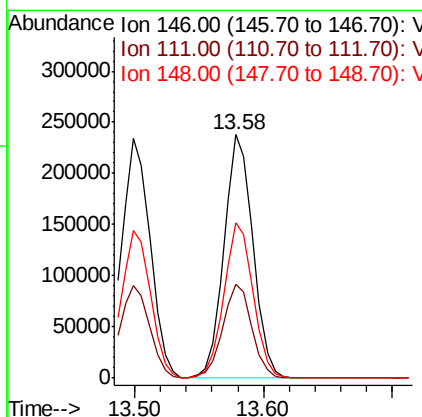
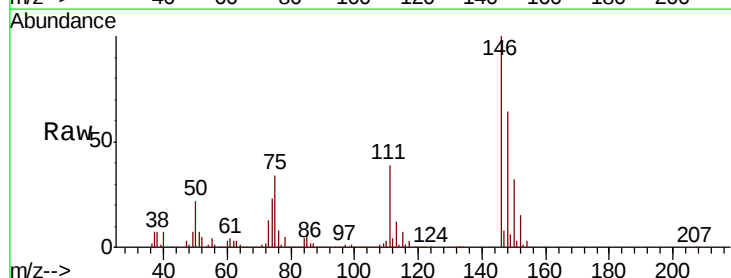
Instrument :
 MSVOA_W
 ClientSampleId :

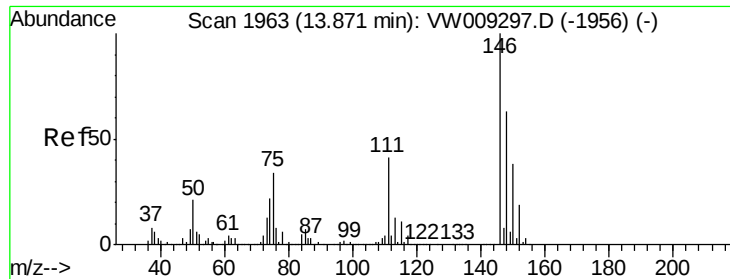
Tot Ion:146 Resp: 362028
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.9 49.9
 148 61.5 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.413 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

Tgt Ion:146 Resp: 374504
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.8 51.6
 148 63.7 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 24.999 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

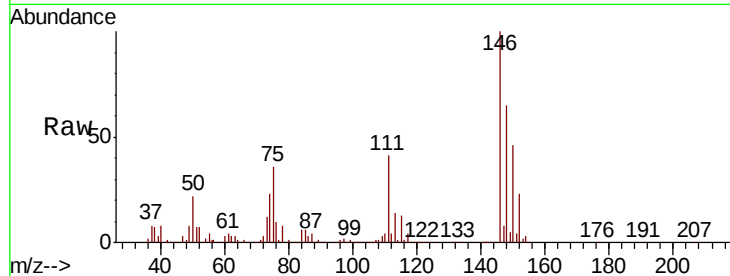
Tot Ion:146 Resp: 339822

Ion Ratio Lower Upper

146 100

111 40.9 33.5 50.3

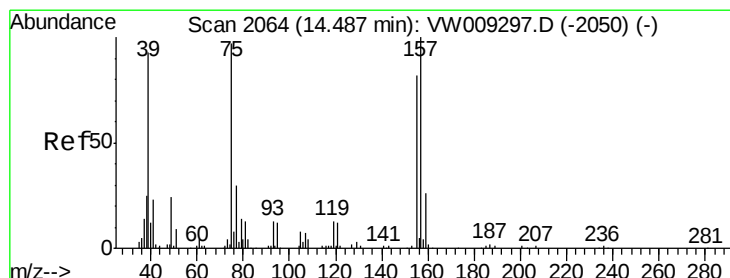
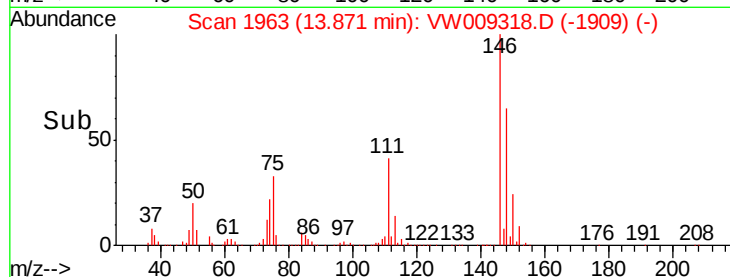
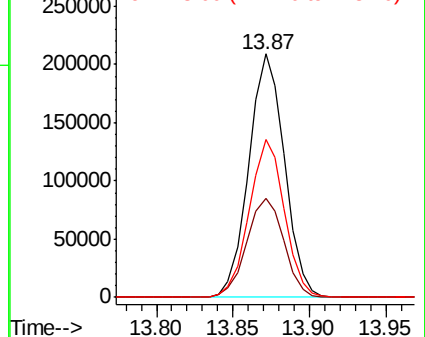
148 64.7 50.2 75.2



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: 22.298 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

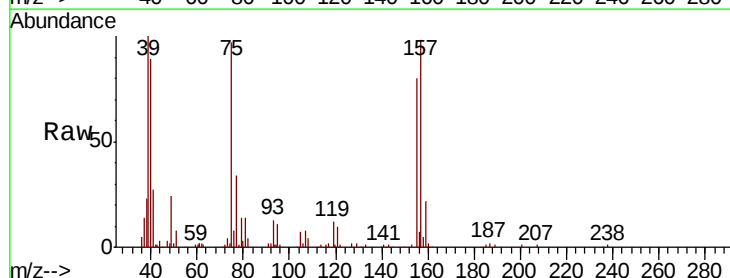
Tgt Ion: 75 Resp: 29705

Ion Ratio Lower Upper

75 100

157 101.7 89.0 133.4

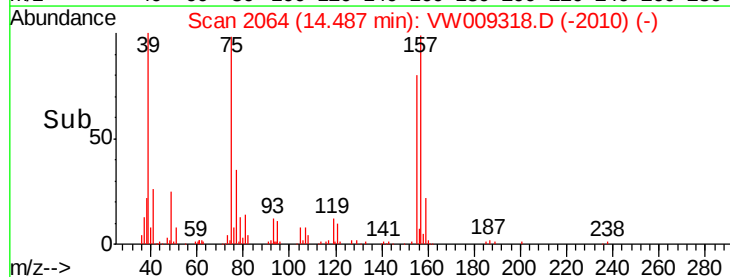
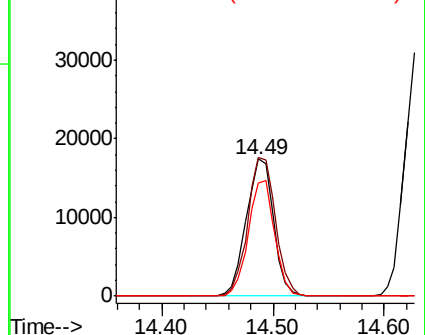
155 82.4 64.2 96.2

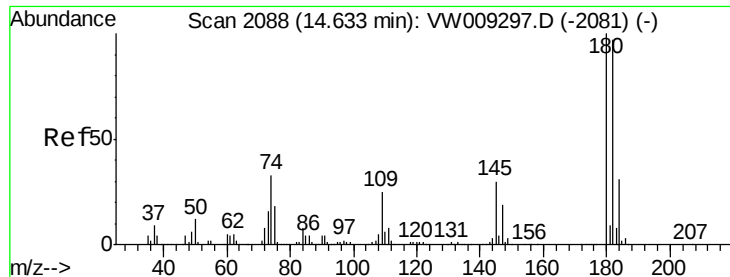


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

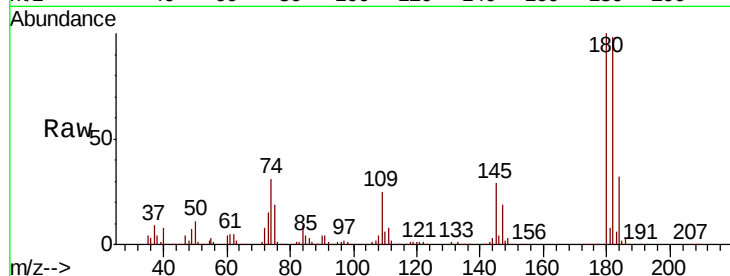




#67
 1,3,5-Trichlorobenzene
 Concen: 25.377 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
184	31.1	23.8	35.6
145	29.7	23.4	35.2



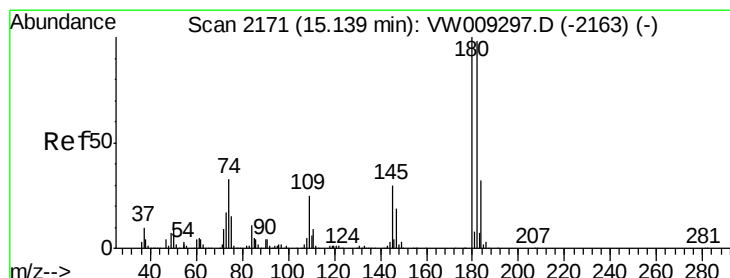
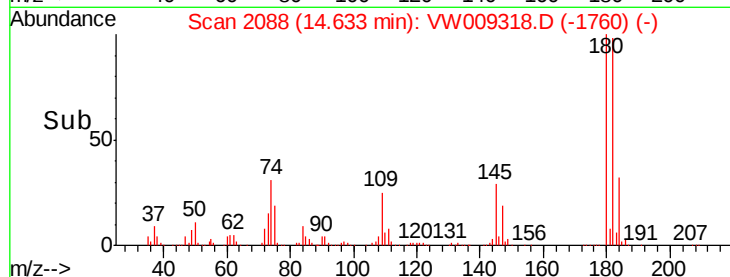
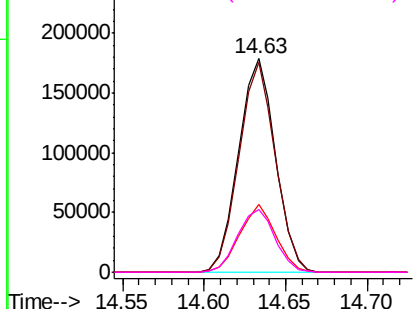
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

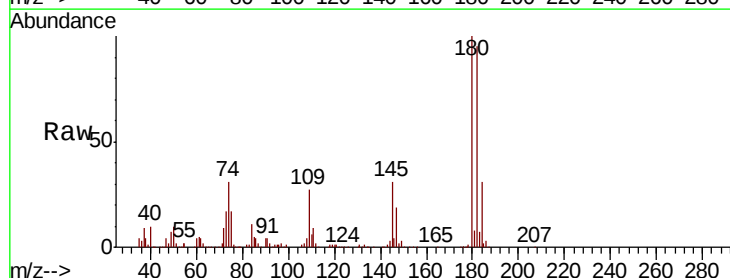
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.923 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009318.D
 Acq: 21 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.5	113.3
145	30.6	24.1	36.1

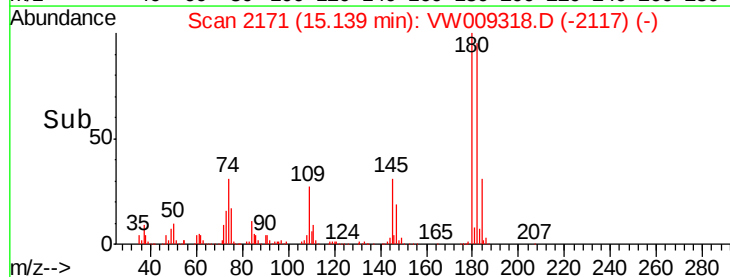
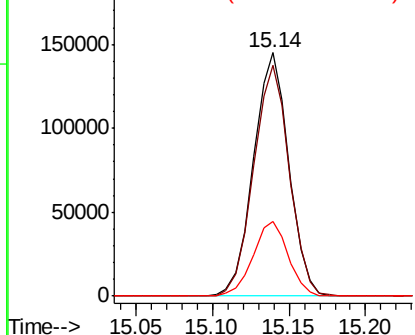


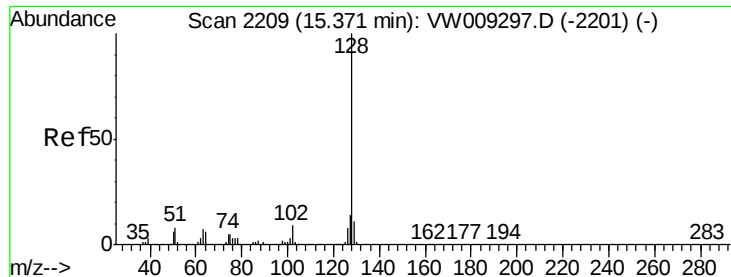
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.563 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

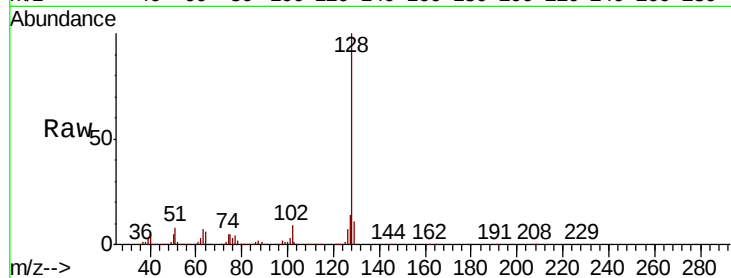
Tot Ion:128 Resp: 475564

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

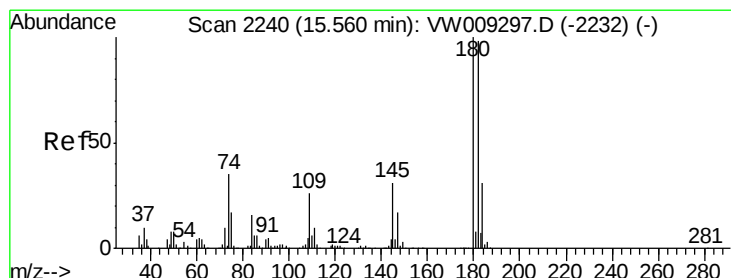
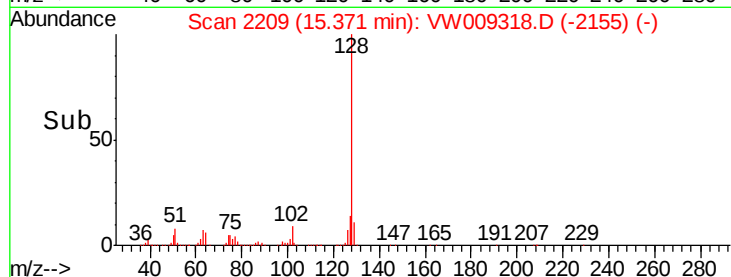
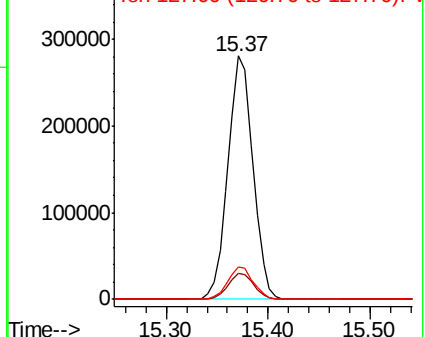
127 13.5 11.1 16.7



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: 25.233 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009318.D

Acq: 21 Mar 2019 10:47

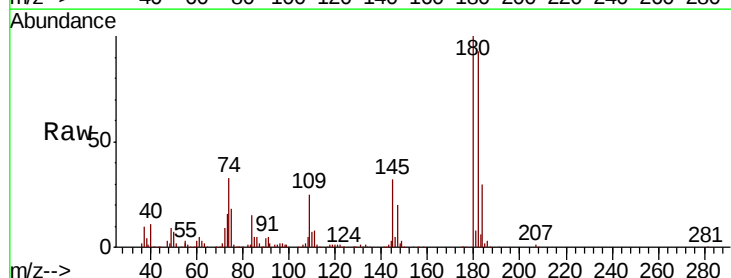
Tgt Ion:180 Resp: 220703

Ion Ratio Lower Upper

180 100

182 95.0 77.2 115.8

145 31.6 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

