

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
 Data File : VW009456.D
 Acq On : 26 Mar 2019 09:46
 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 27 01:17:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	427699	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	405572	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	210231	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	105586	20.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.64%
7) Chloroethane-d5	2.88	69	120756	20.19	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.76%
10) 1,1-Dichloroethene-d2	4.02	63	252774	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.52%
20) 2-Butanone-d5	7.07	46	99324	46.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.98%
24) Chloroform-d	7.64	84	252143	21.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	8.31	65	151559	21.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.24%
29) Benzene-d6	8.27	84	462514	20.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.72%
33) 1,2-Dichloropropane-d6	9.27	67	143326	21.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.32%
37) Toluene-d8	10.32	98	430818	20.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.32%
38) trans-1,3-Dichloropropene-	10.57	79	69034	20.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.84%
39) 2-Hexanone-d5	10.93	63	75000	46.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	153562	23.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	169616	21.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	125608	22.294	ug/L	90
3) Chloromethane	2.21	50	143127	23.943	ug/L	97
5) Vinyl chloride	2.37	62	190932	31.032	ug/L	98
6) Bromomethane	2.78	94	145894	28.303	ug/L	99
8) Chloroethane	2.92	64	146229	28.726	ug/L	94
9) Trichlorofluoromethane	3.25	101	121218	24.941	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	155485	27.702	ug/L	91
12) 1,1-Dichloroethene	4.03	96	148622	28.219	ug/L	92
13) Acetone	4.12	43	98658	56.917	ug/L	98
14) Carbon disulfide	4.37	76	421002	29.701	ug/L	99
15) Methyl Acetate	4.67	43	96254	28.266	ug/L	99
16) Methylene chloride	4.91	84	148503	23.810	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	195430	26.225	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	148643	26.844	ug/L	90
19) 1,1-Dichloroethane	6.21	63	282255	27.956	ug/L	98
21) 2-Butanone	7.17	43	132412	55.325	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	161067	26.851	ug/L	98

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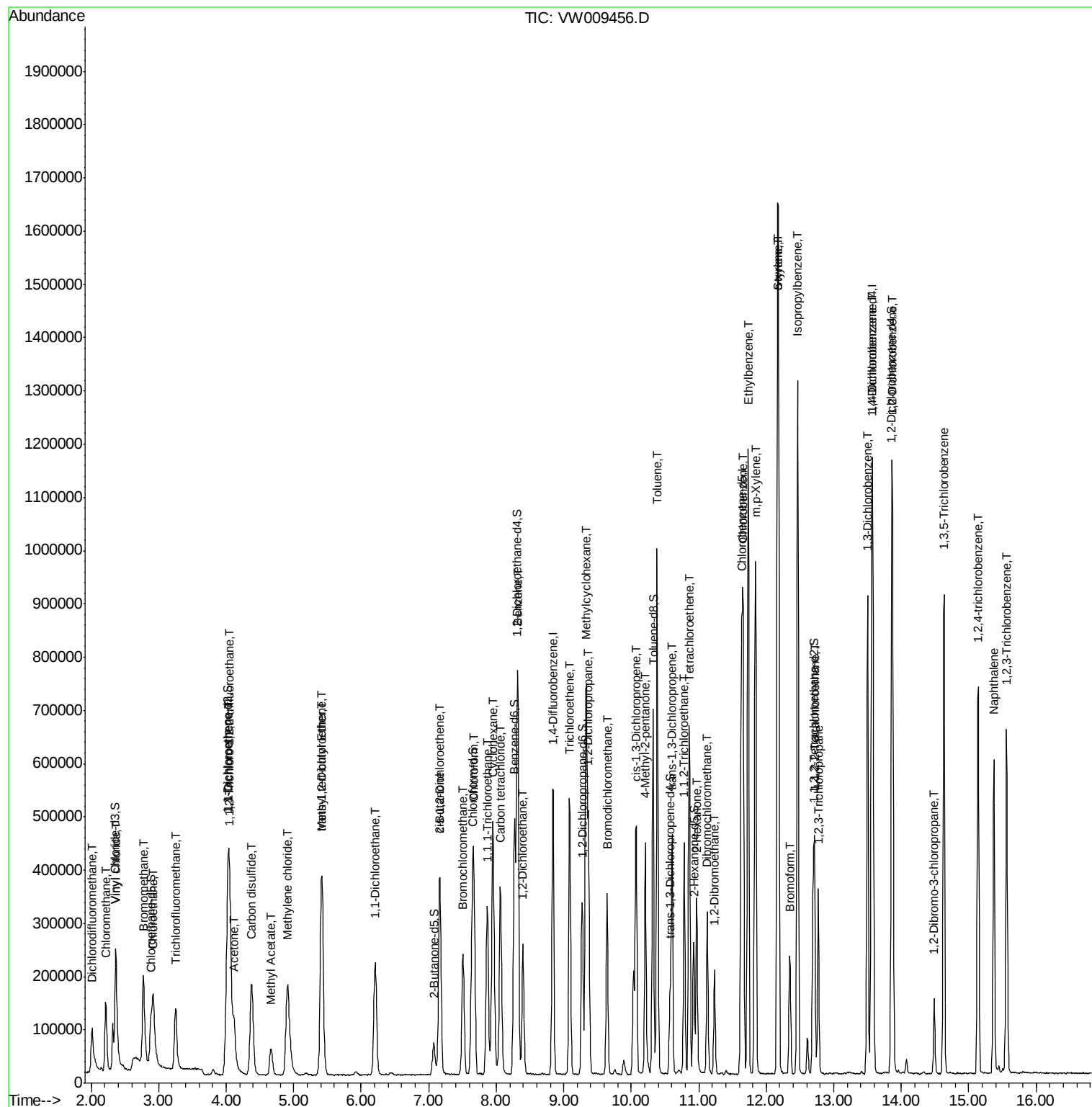
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73866	25.674	ug/L	98
25) Chloroform	7.67	83	289505	27.381	ug/L	98
27) 1,2-Dichloroethane	8.40	62	217870	27.637	ug/L	99
30) Cyclohexane	7.95	56	255992	27.792	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	238646	29.462	ug/L	99
32) Carbon tetrachloride	8.06	117	242106	29.624	ug/L	97
34) Benzene	8.32	78	621735	28.008	ug/L	100
35) Trichloroethene	9.09	95	162346	27.446	ug/L	98
36) Methylcyclohexane	9.34	83	281818	27.538	ug/L	99
40) 1,2-Dichloropropane	9.37	63	154343	27.095	ug/L	99
41) Bromodichloromethane	9.64	83	215751	27.335	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	244505	26.354	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	280586	54.358	ug/L	100
44) Toluene	10.38	91	674759	27.801	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	217918	27.001	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	120773	26.576	ug/L	99
47) Tetrachloroethene	10.86	164	135629	27.137	ug/L	95
49) 2-Hexanone	10.97	43	211515	58.180	ug/L	100
50) Dibromochloromethane	11.13	129	148138	26.406	ug/L	91
51) 1,2-Dibromoethane	11.23	107	122111	26.505	ug/L #	97
52) Chlorobenzene	11.66	112	421631	27.085	ug/L	98
53) Ethylbenzene	11.73	91	776811	28.468	ug/L	99
54) m,p-Xylene	11.84	106	289792	27.953	ug/L	97
55) o-xylene	12.16	106	273426	27.035	ug/L	99
56) Styrene	12.18	104	482730	27.974	ug/L	96
57) Isopropylbenzene	12.46	105	778353	28.729	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	171949	28.047	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	129809	28.530	ug/L	100
62) Bromoform	12.35	173	95574	26.906	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	333250	26.597	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	347850	26.853	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	318766	26.677	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	31933	27.268	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	260291	26.634	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	218205	26.581	ug/L	100
69) Naphthalene	15.37	128	465119	27.329	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	203735	26.498	ug/L	100

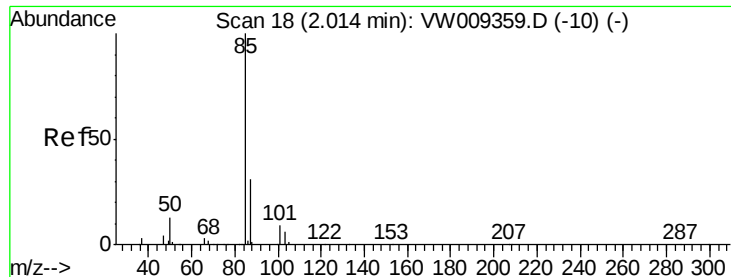
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.294 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

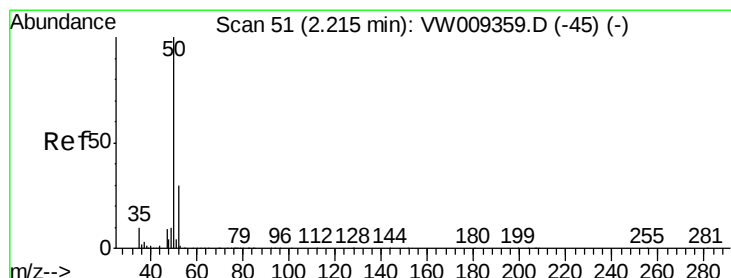
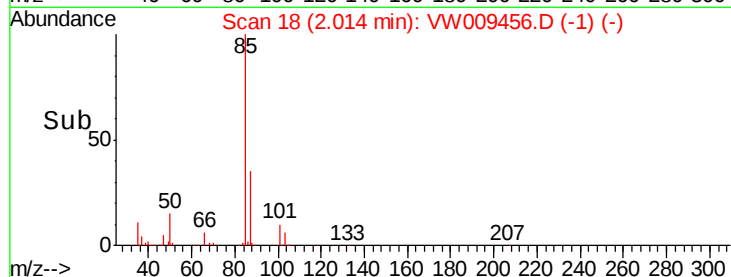
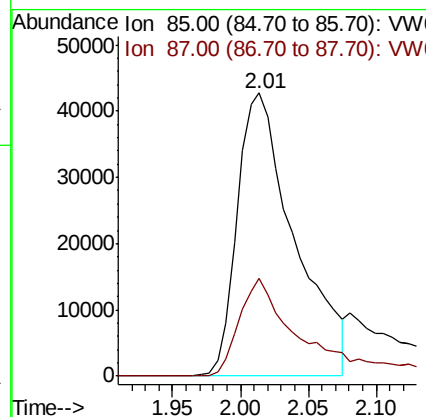
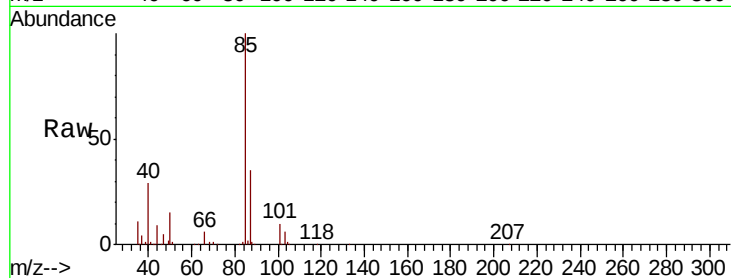
ClientSampleId :

Tot Ion: 85 Resp: 125608

Ion Ratio Lower Upper

85 100

87 33.0 19.5 36.3



#3

Chloromethane

Concen: 23.943 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009456.D

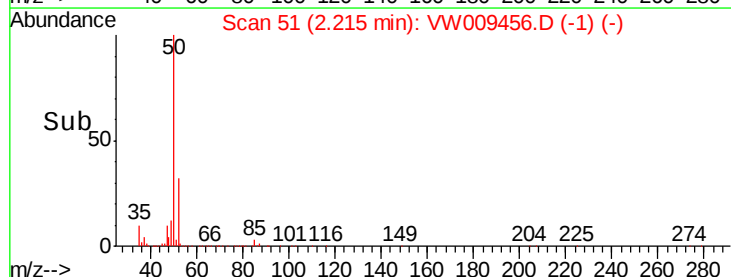
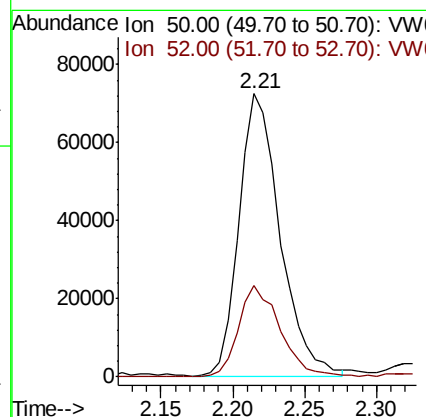
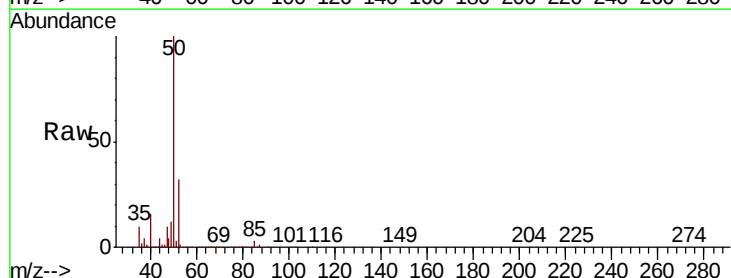
Acq: 26 Mar 2019 09:46

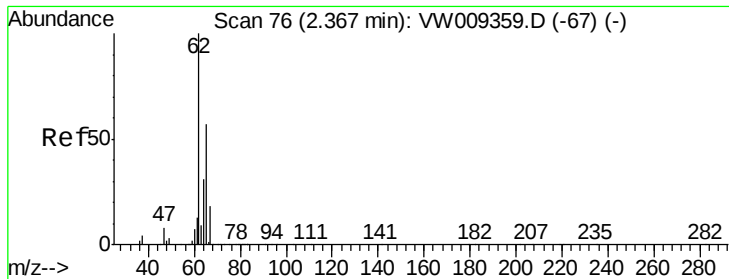
Tgt Ion: 50 Resp: 143127

Ion Ratio Lower Upper

50 100

52 32.3 21.6 40.2





#5

Vinyl chloride

Concen: 31.032 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

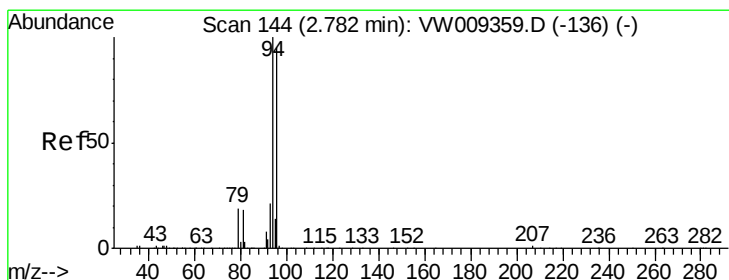
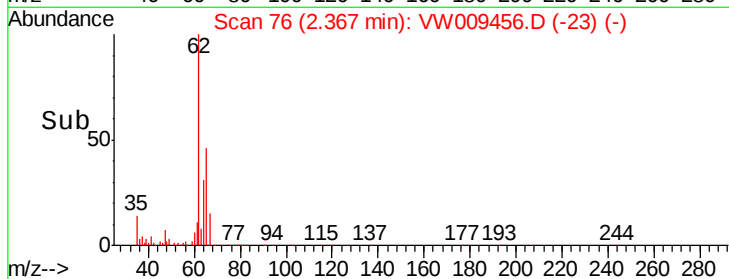
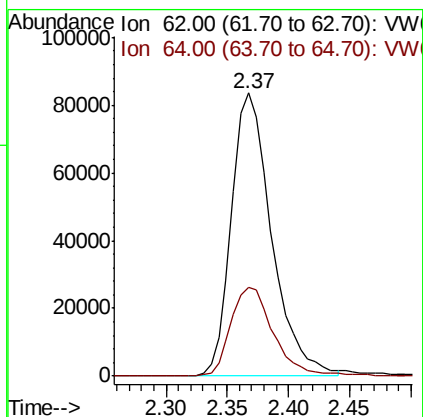
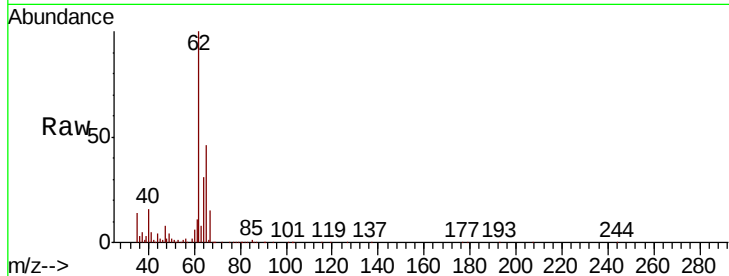
ClientSampled :

Tot Ion: 62 Resp: 190932

Ion Ratio Lower Upper

62 100

64 31.4 23.0 42.6



#6

Bromomethane

Concen: 28.303 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009456.D

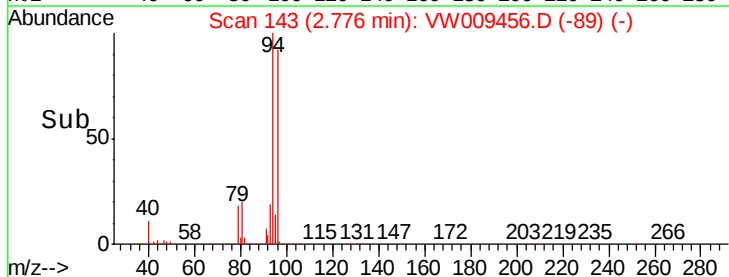
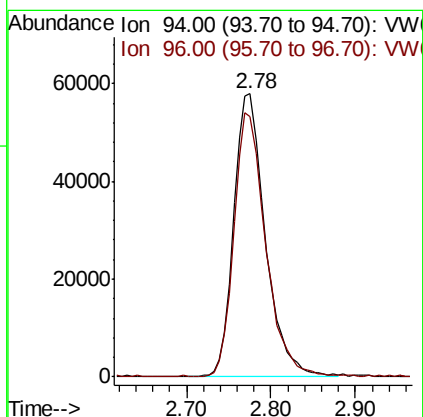
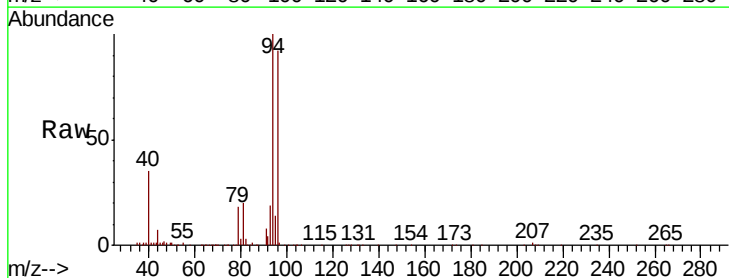
Acq: 26 Mar 2019 09:46

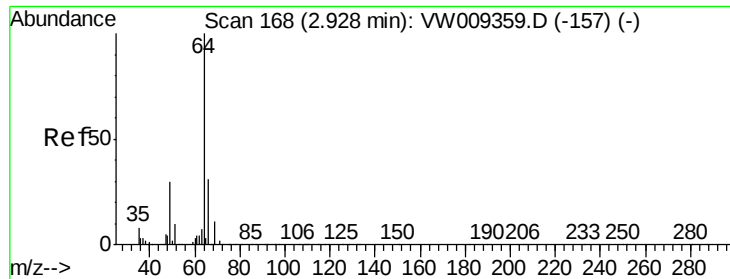
Tgt Ion: 94 Resp: 145894

Ion Ratio Lower Upper

94 100

96 93.3 9.4 178.4





#8

Chloroethane

Concen: 28.726 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

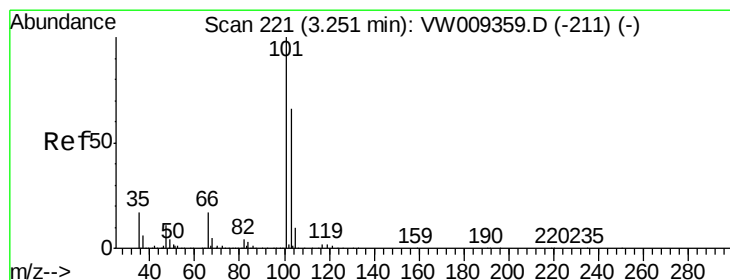
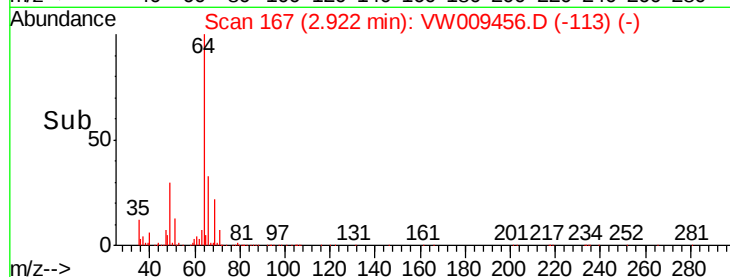
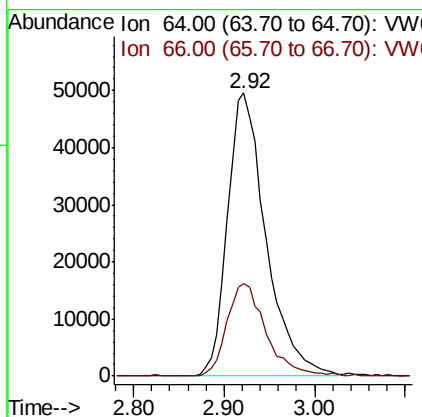
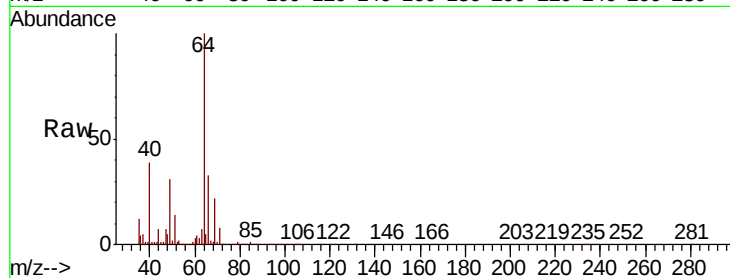
ClientSampleId :

Tot Ion: 64 Resp: 146229

Ion Ratio Lower Upper

64 100

66 32.6 25.1 46.7



#9

Trichlorofluoromethane

Concen: 24.941 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW009456.D

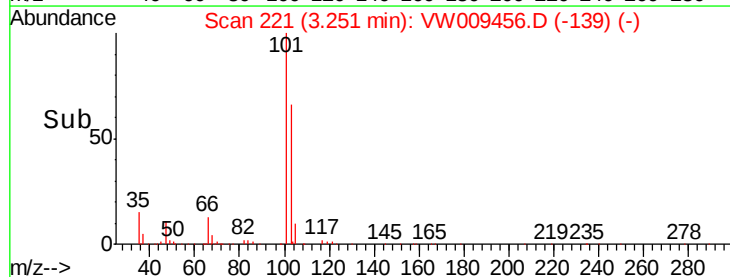
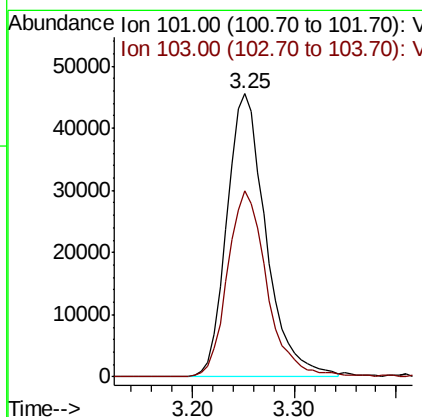
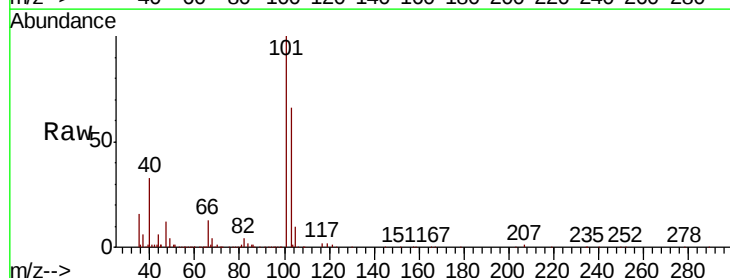
Acq: 26 Mar 2019 09:46

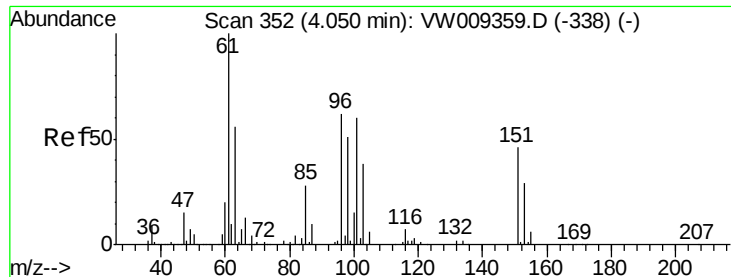
Tgt Ion: 101 Resp: 121218

Ion Ratio Lower Upper

101 100

103 65.7 45.0 83.6





#11

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

Concen: 27.702 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

ClientSampleId :

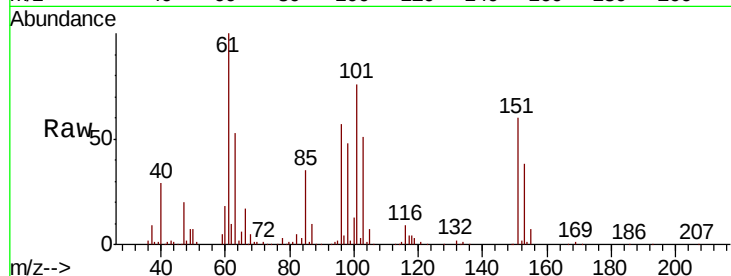
Tot Ion:101 Resp: 155485

Ion Ratio Lower Upper

101 100

85 45.4 32.6 48.8

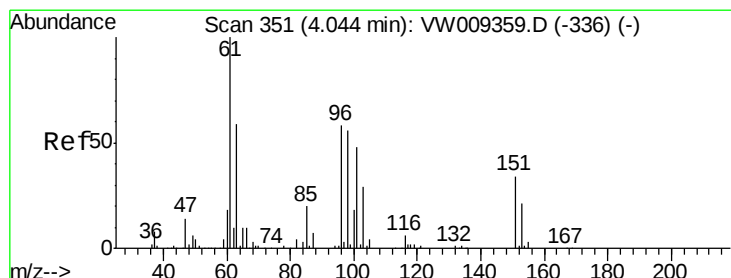
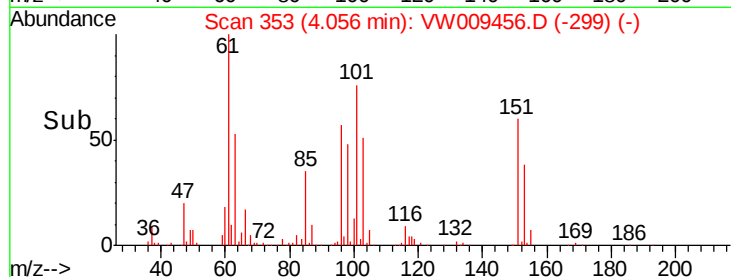
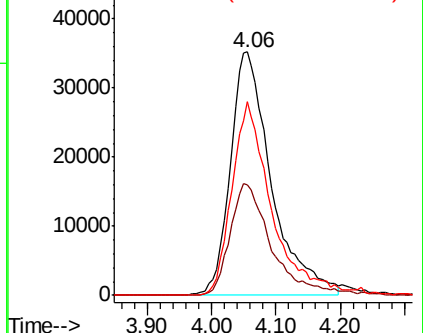
151 71.1 63.3 94.9



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: 28.219 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

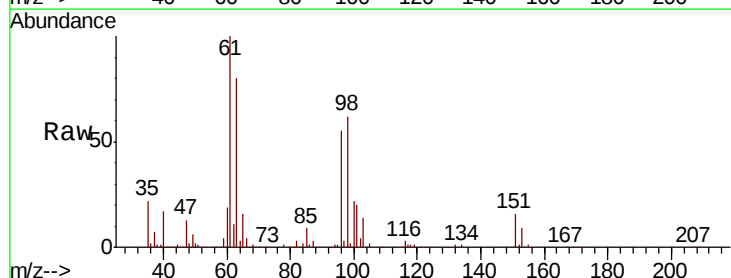
Tgt Ion: 96 Resp: 148622

Ion Ratio Lower Upper

96 100

61 182.8 129.4 240.2

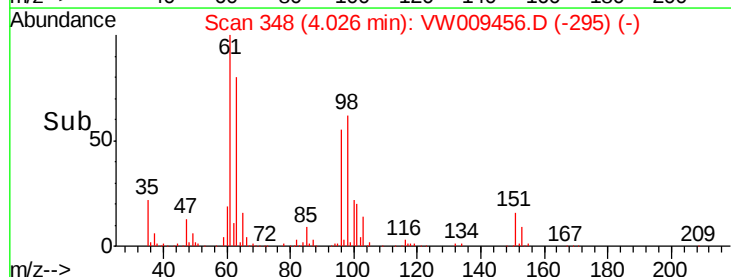
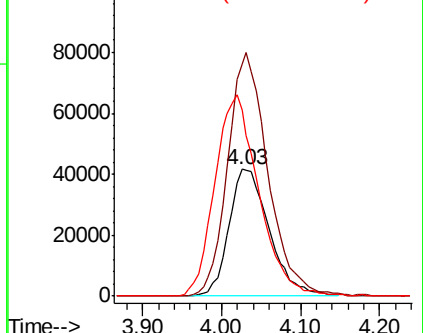
63 147.1 116.8 217.0

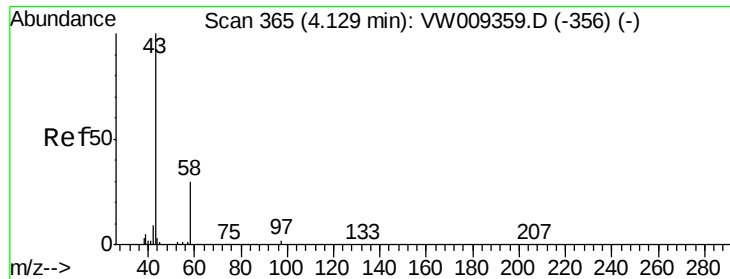


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.917 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

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MSVOA_W

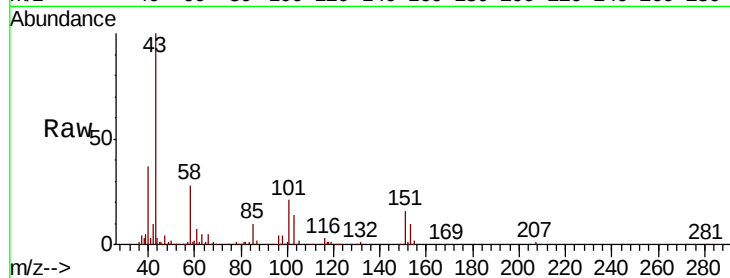
ClientSampled :

Tot Ion: 43 Resp: 98658

Ion Ratio Lower Upper

43 100

58 29.1 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

40000

30000

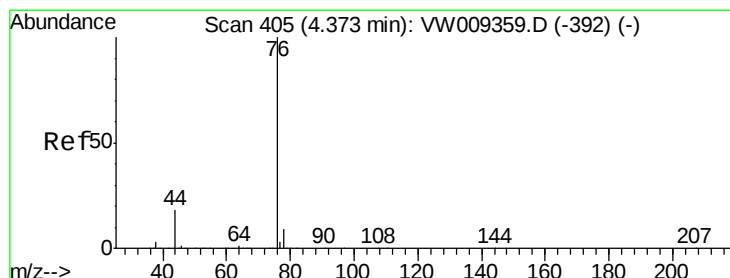
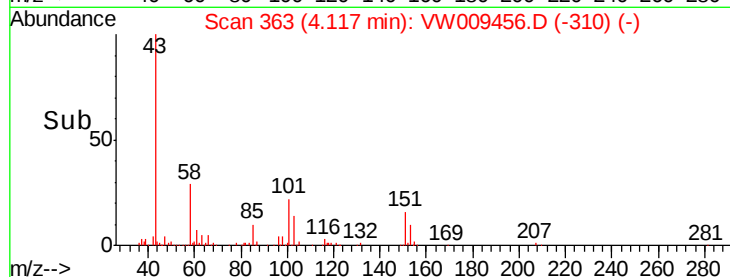
20000

10000

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Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 29.701 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW009456.D

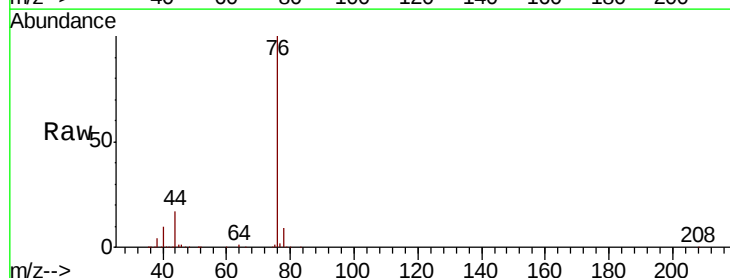
Acq: 26 Mar 2019 09:46

Tgt Ion: 76 Resp: 421002

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

150000

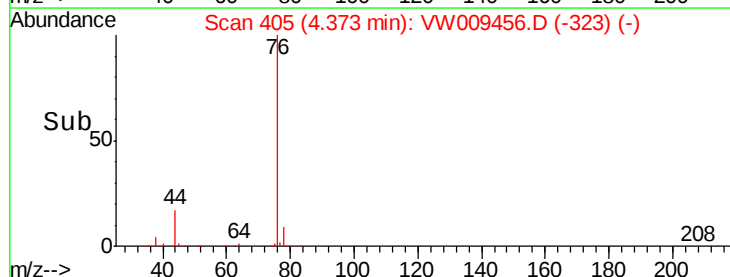
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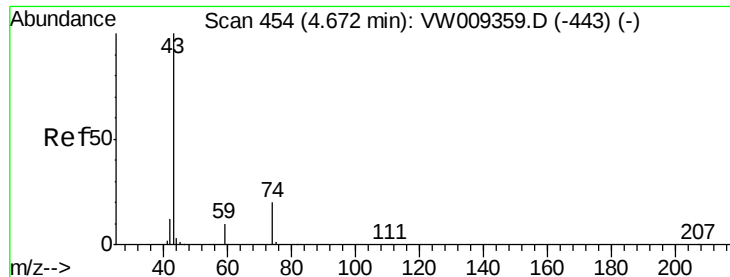
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Time-->

4.20 4.30 4.40 4.50

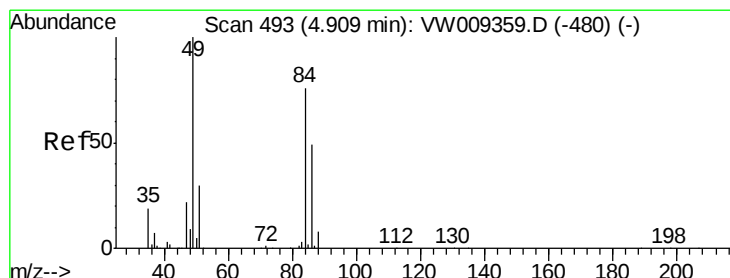
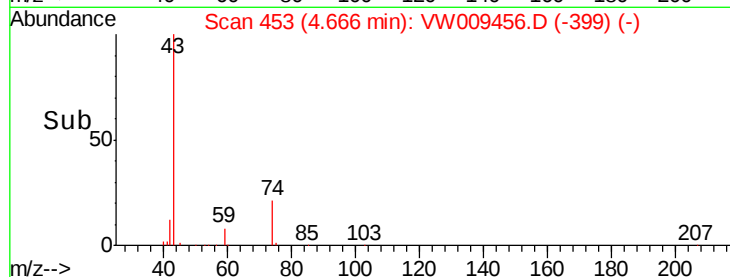
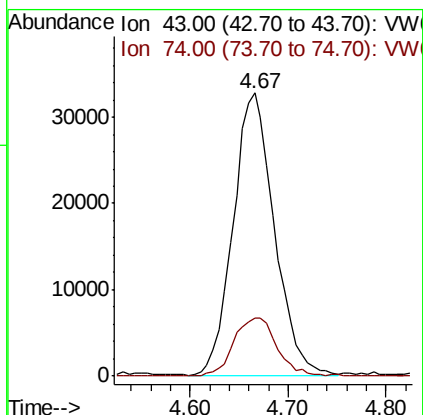
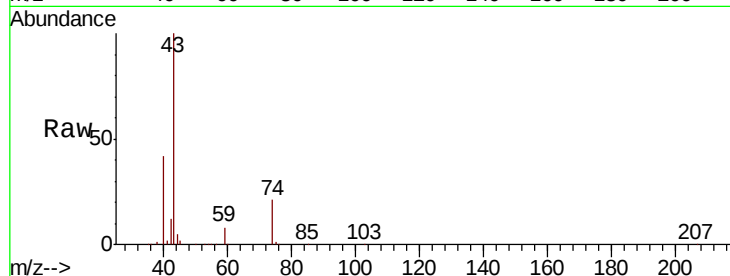




#15
Methvl Acetate
Concen: 28.266 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

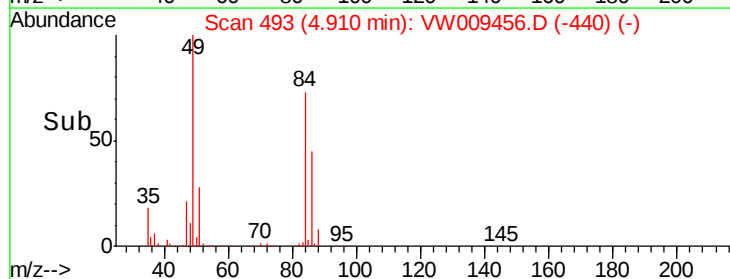
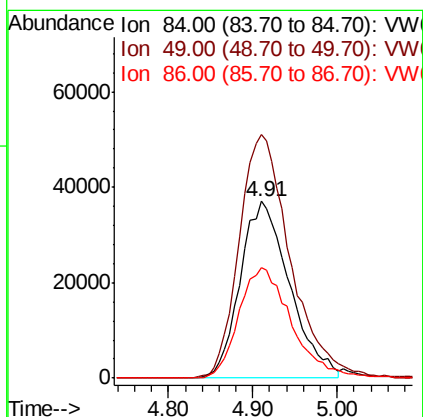
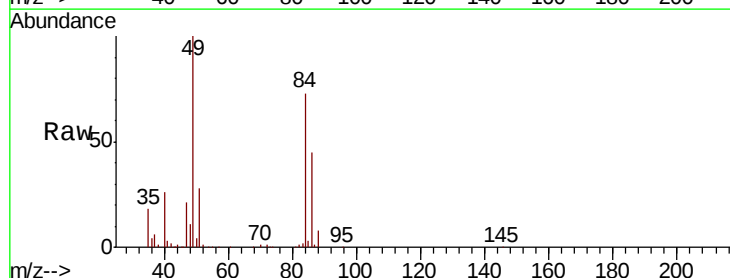
Instrument :
MSVOA_W
ClientSampled :

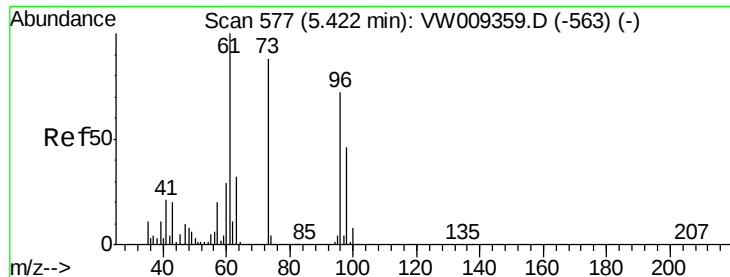
Tot Ion: 43 Resp: 96254
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1



#16
Methylene chloride
Concen: 23.810 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

Tgt Ion: 84 Resp: 148503
Ion Ratio Lower Upper
84 100
49 137.7 96.0 178.2
86 62.5 44.4 82.5

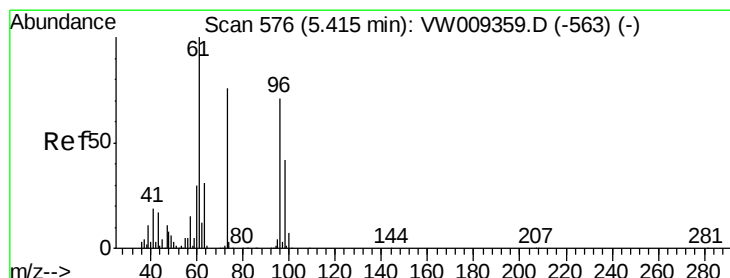
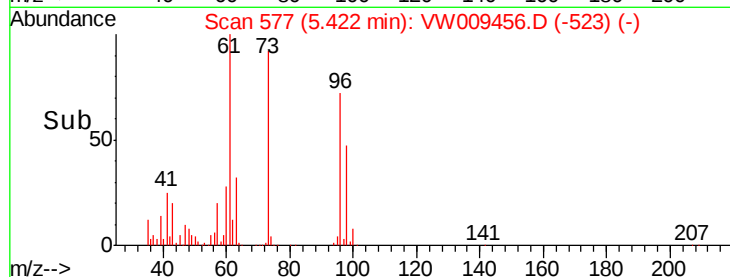
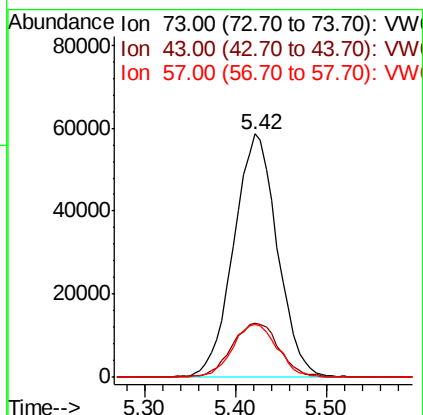
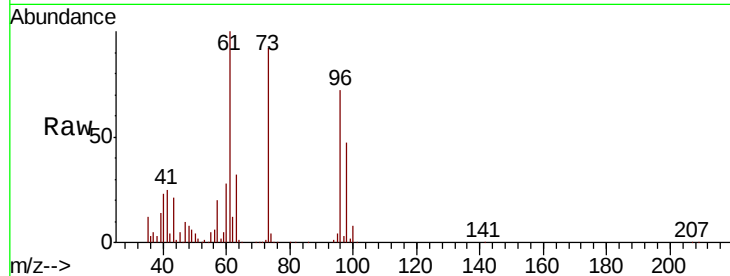




#17
Methvl tert-butvl Ether
Concen: 26.225 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

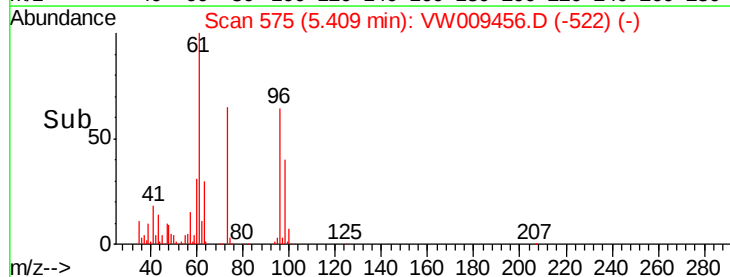
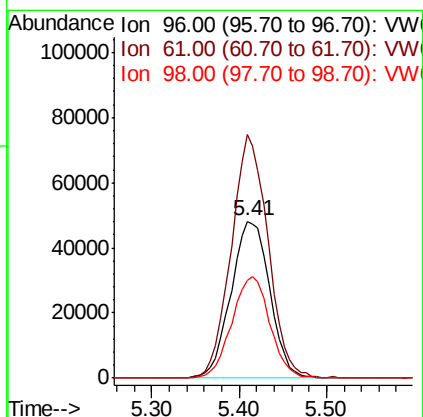
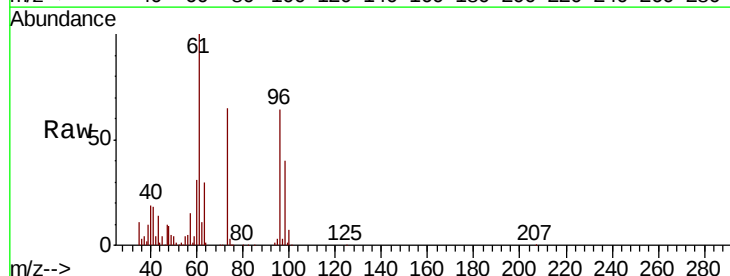
Instrument :
MSVOA_W
ClientSampleId :

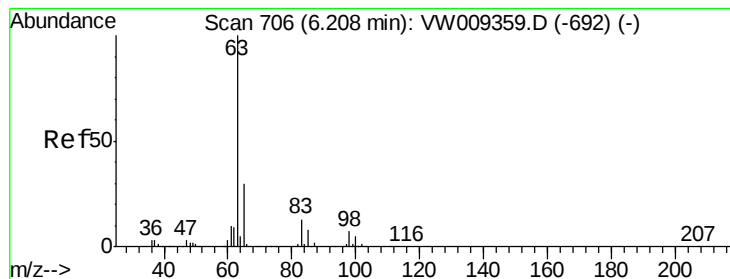
Tot Ion: 73 Resp: 195430
Ion Ratio Lower Upper
73 100
43 24.0 18.2 27.4
57 22.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.844 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

Tgt Ion: 96 Resp: 148643
Ion Ratio Lower Upper
96 100
61 155.2 96.7 179.5
98 62.4 43.8 81.4





#19

1,1-Dichloroethane

Concen: 27.956 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

ClientSampled :

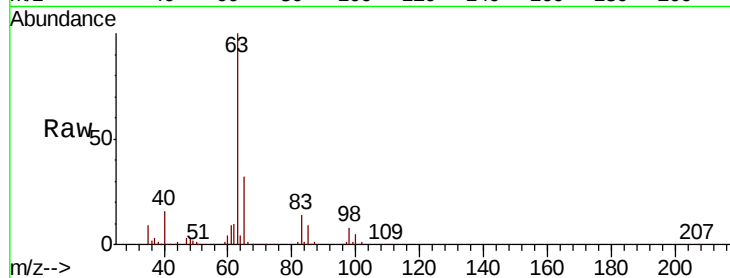
Tot Ion: 63 Resp: 282255

Ion Ratio Lower Upper

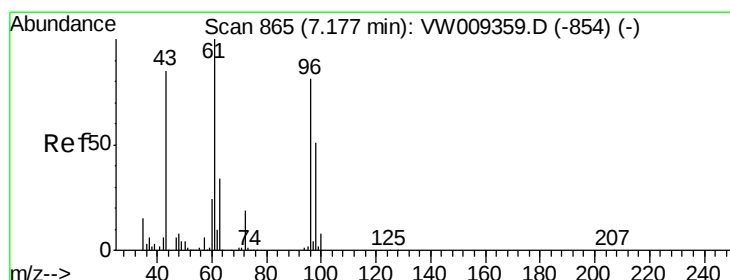
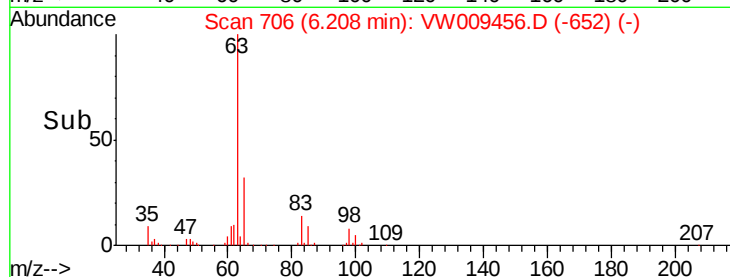
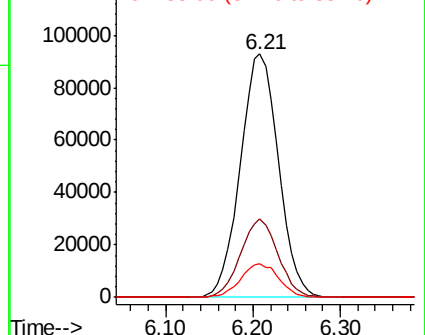
63 100

65 32.3 21.6 40.0

83 14.0 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: 55.325 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009456.D

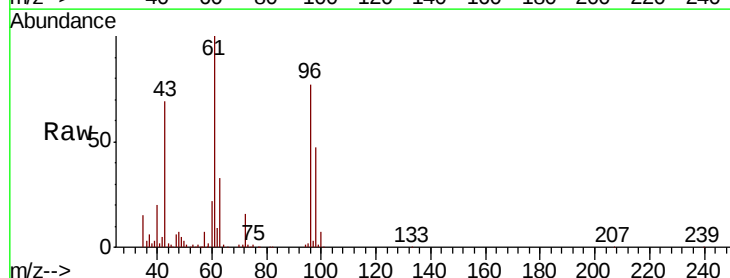
Acq: 26 Mar 2019 09:46

Tgt Ion: 43 Resp: 132412

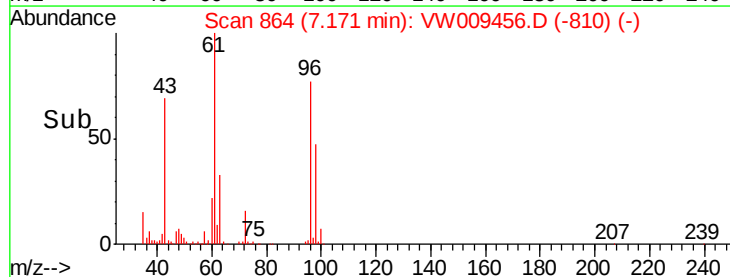
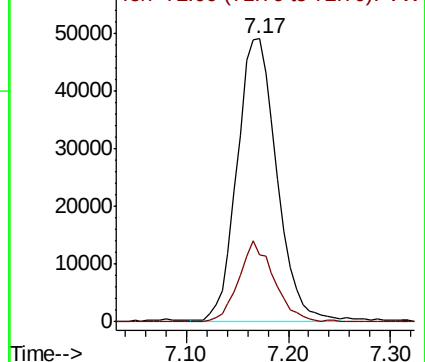
Ion Ratio Lower Upper

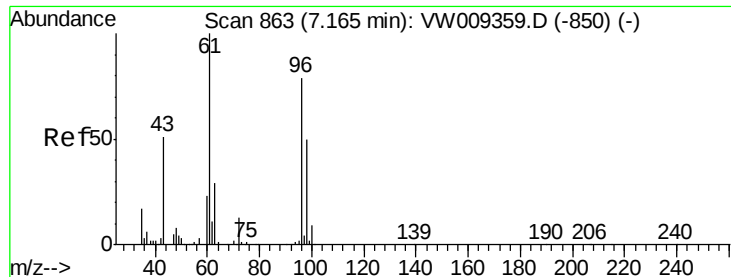
43 100

72 25.3 13.1 39.1



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



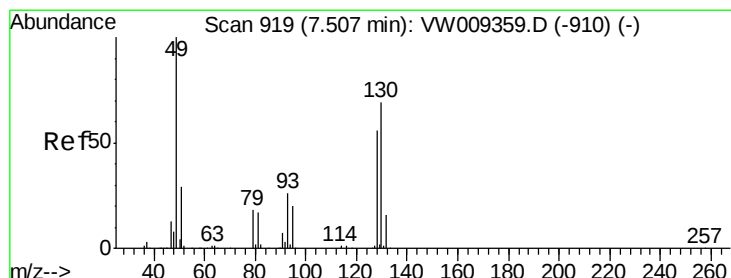
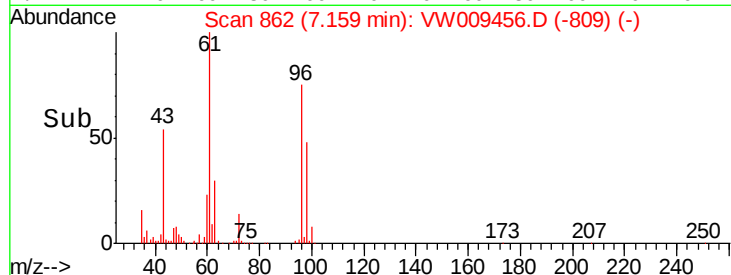
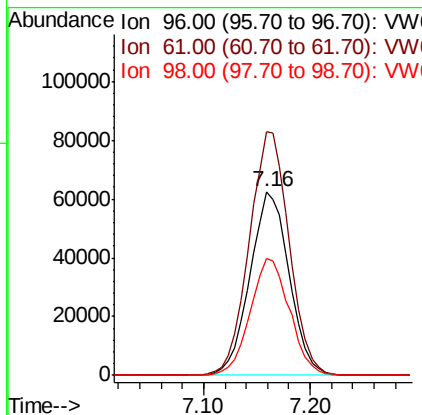
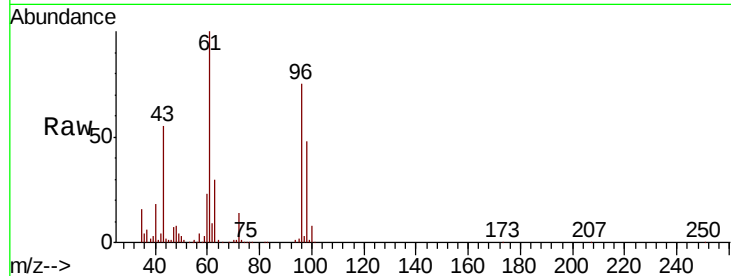


#22

cis-1,2-Dichloroethene
 Concen: 26.851 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Instrument :
 MSVOA_W
 ClientSampled :

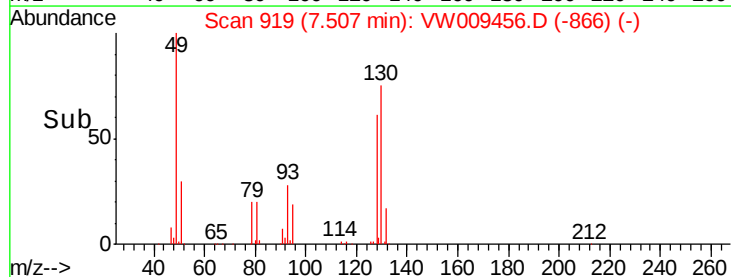
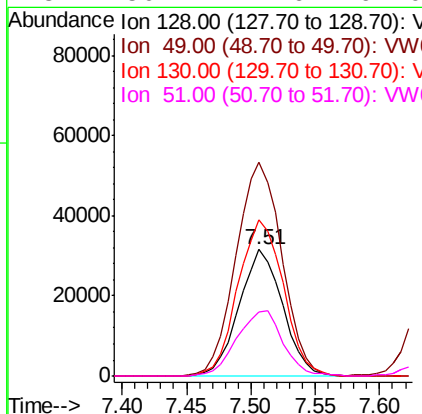
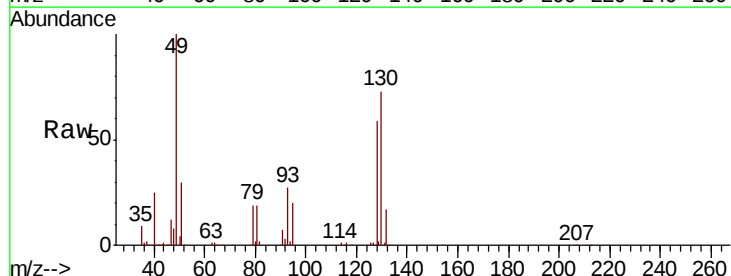
Tot Ion: 96 Resp: 161067
 Ion Ratio Lower Upper
 96 100
 61 132.7 90.6 168.3
 98 63.4 44.0 81.8

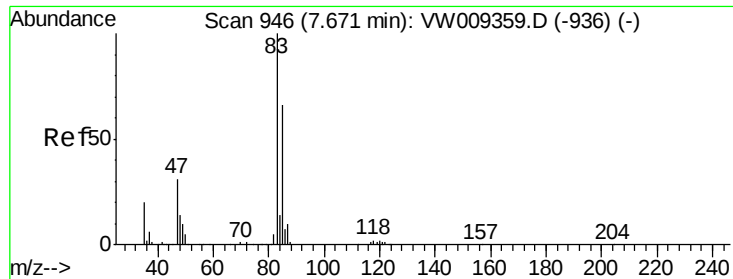


#23

Bromochloromethane
 Concen: 25.674 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Tgt Ion: 128 Resp: 73866
 Ion Ratio Lower Upper
 128 100
 49 168.8 118.4 219.8
 130 123.0 87.8 163.2
 51 50.2 44.6 67.0

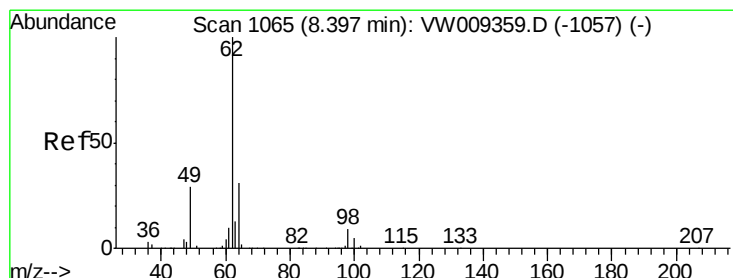
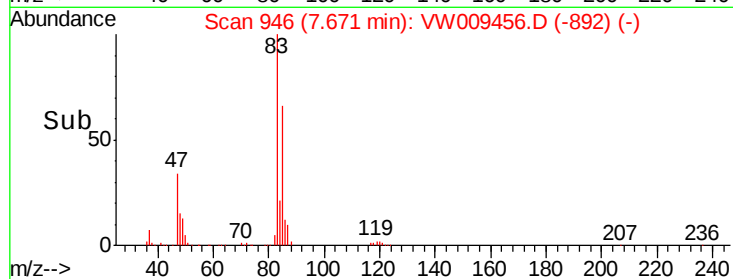
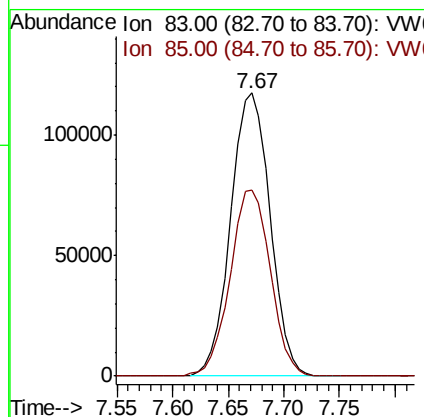
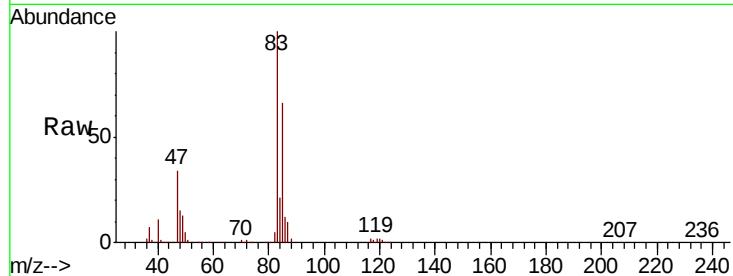




#25
Chloroform
Concen: 27.381 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

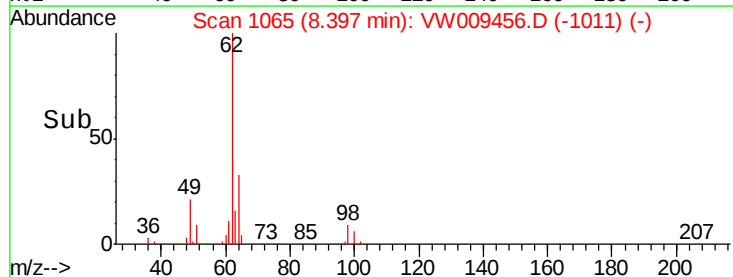
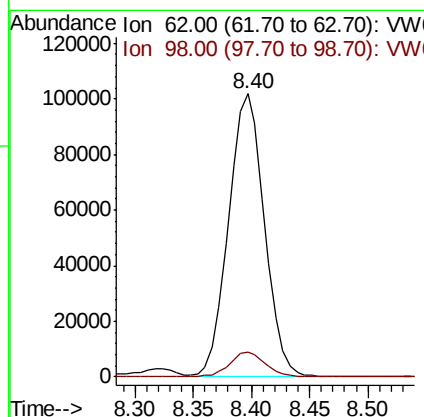
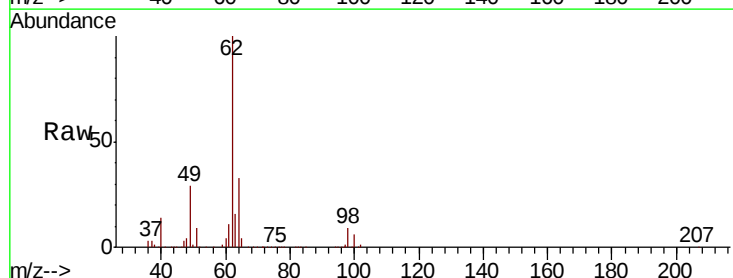
Instrument :
MSVOA_W
ClientSampled :

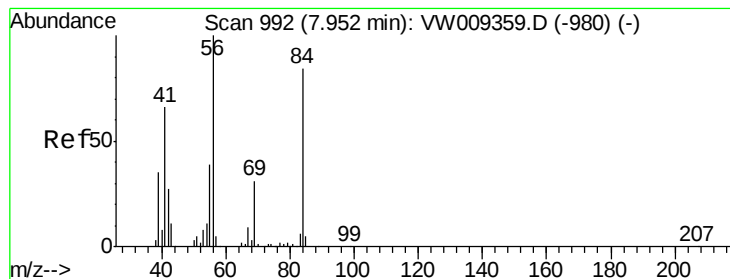
Tot Ion: 83 Resp: 289505
Ion Ratio Lower Upper
83 100
85 67.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 27.637 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

Tgt Ion: 62 Resp: 217870
Ion Ratio Lower Upper
62 100
98 8.7 7.3 10.9





#30

Cyclohexane

Concen: 27.792 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

ClientSampleId :

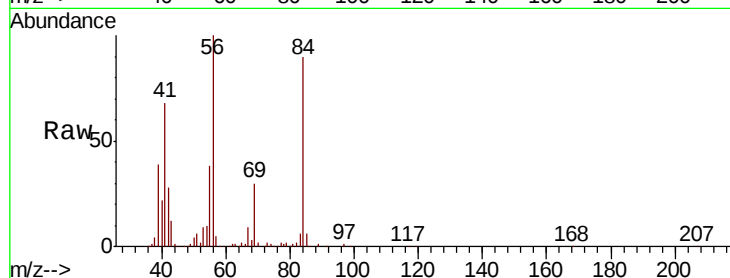
Tot Ion: 56 Resp: 255992

Ion Ratio Lower Upper

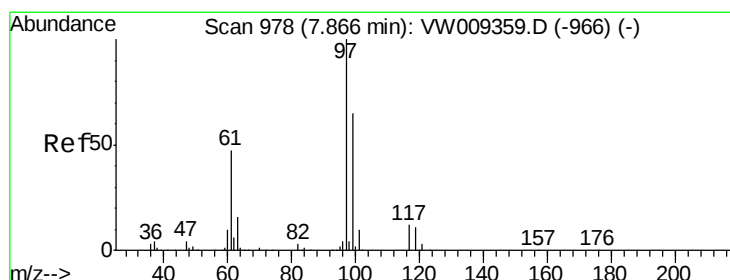
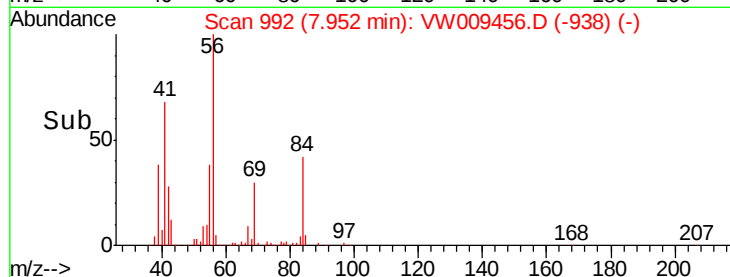
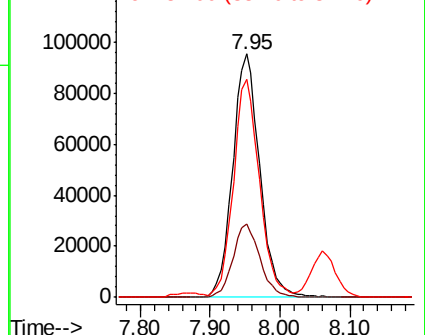
56 100

69 29.9 24.0 36.0

84 84.7 69.2 103.8



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 29.462 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

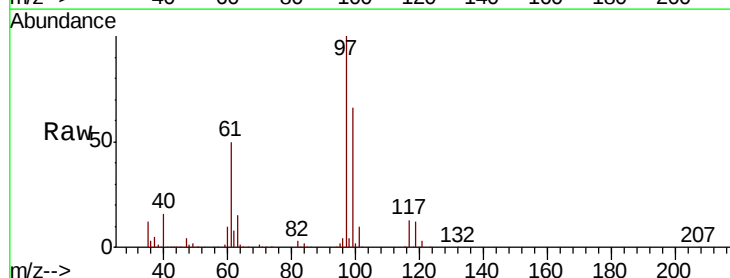
Tgt Ion: 97 Resp: 238646

Ion Ratio Lower Upper

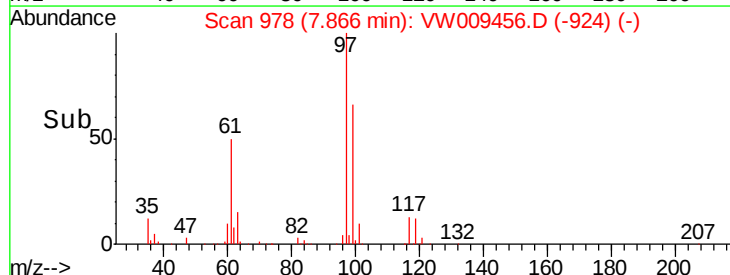
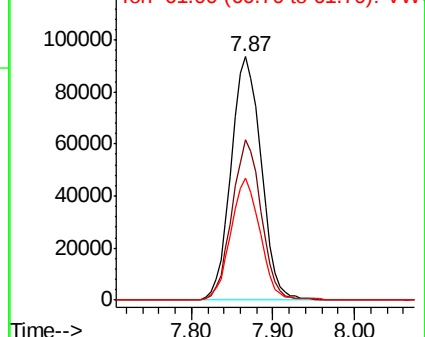
97 100

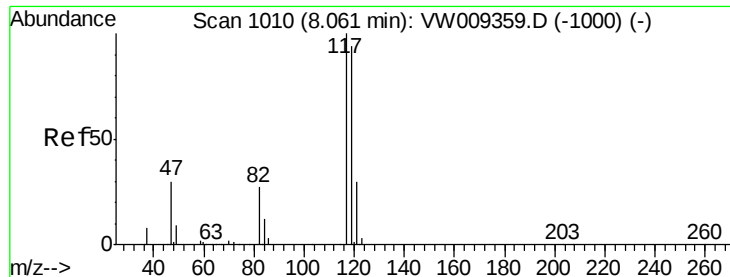
99 63.8 51.2 76.8

61 48.9 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 29.624 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

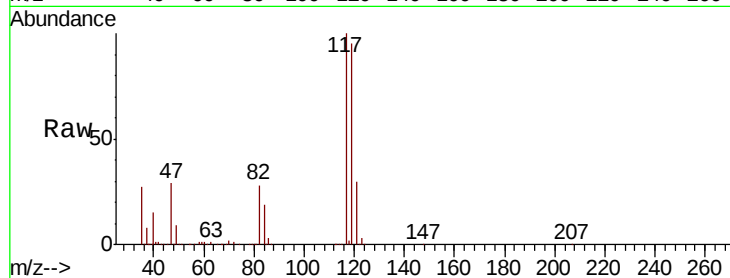
ClientSampled :

Tot Ion:117 Resp: 242106

Ion Ratio Lower Upper

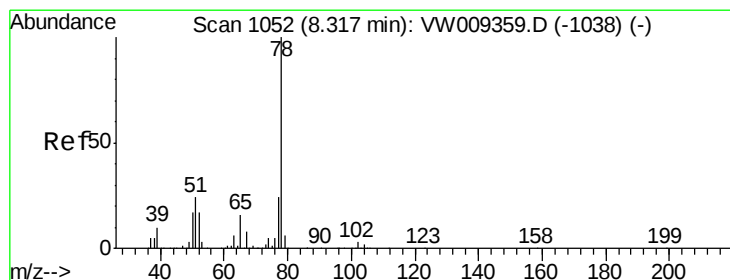
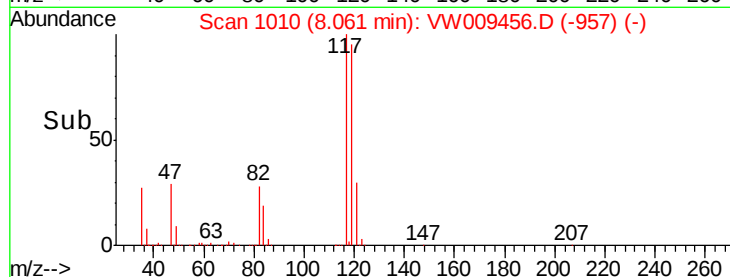
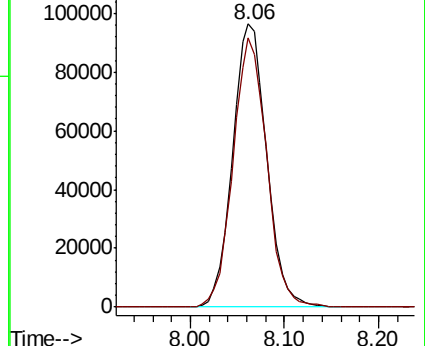
117 100

119 94.1 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.008 ug/L

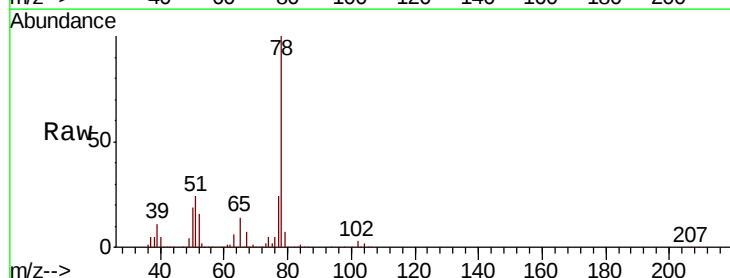
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

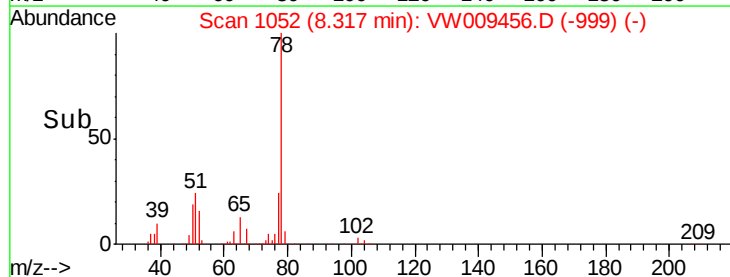
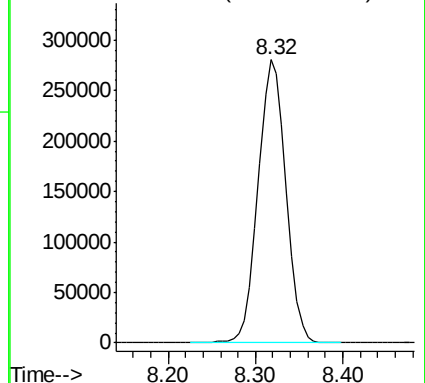
Lab File: VW009456.D

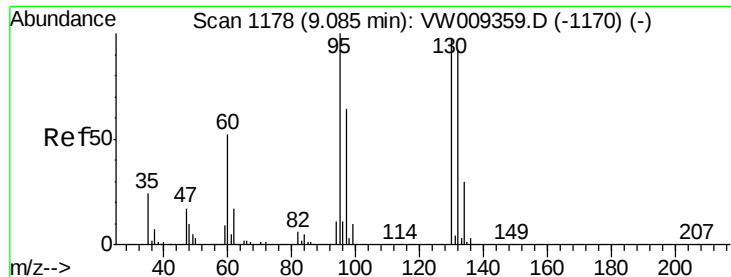
Acq: 26 Mar 2019 09:46

Tgt Ion: 78 Resp: 621735



Abundance Ion 78.00 (77.70 to 78.70): VW

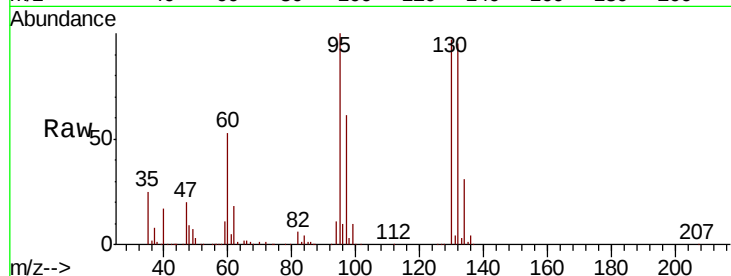




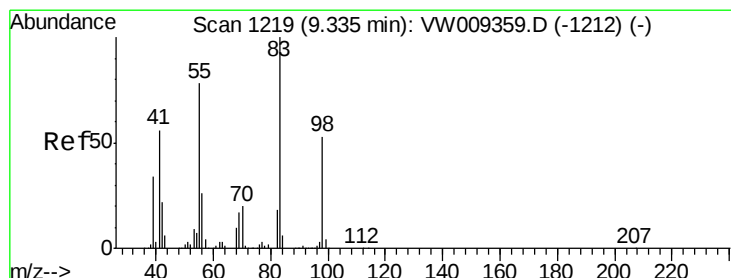
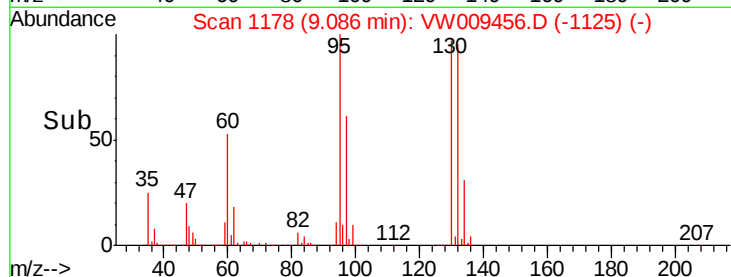
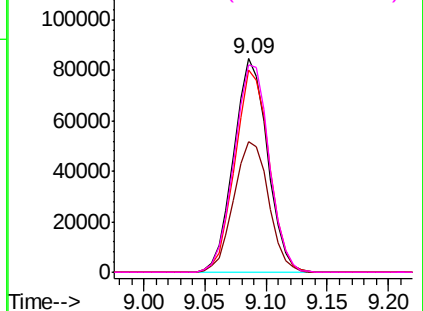
#35
 Trichloroethene
 Concen: 27.446 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	162346
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.7	82.9
132	95.7	69.0	128.2
130	100.6	72.7	134.9

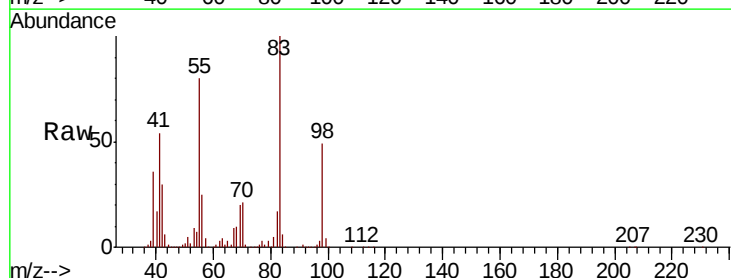


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

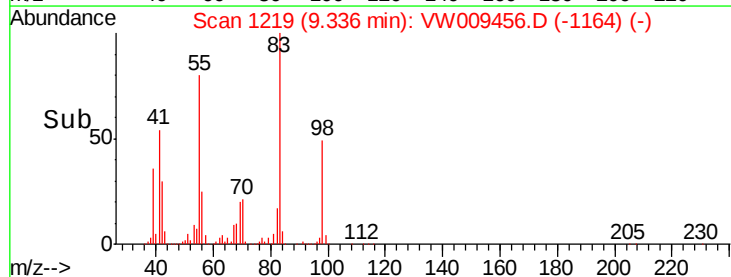
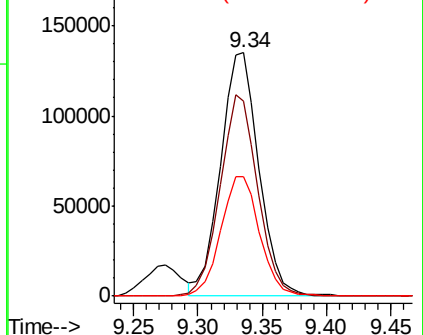


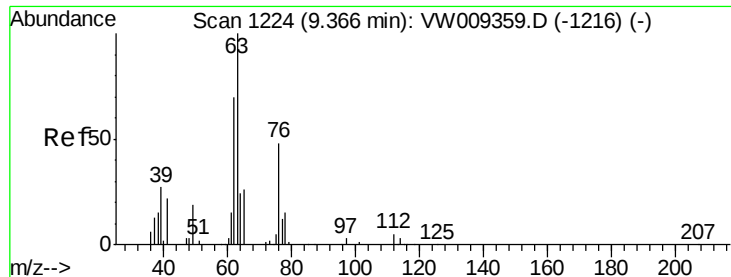
#36
 Methylcyclohexane
 Concen: 27.538 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Tgt Ion:	83	Resp:	281818
Ion	Ratio	Lower	Upper
83	100		
55	81.0	63.5	95.3
98	49.8	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

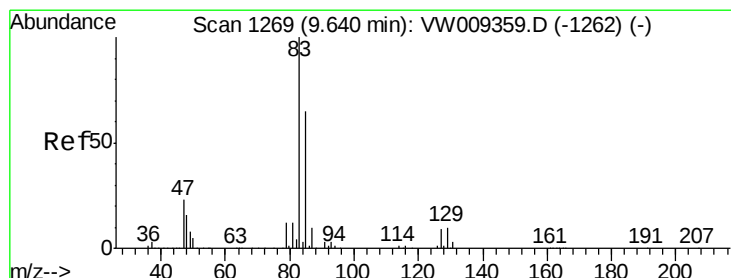
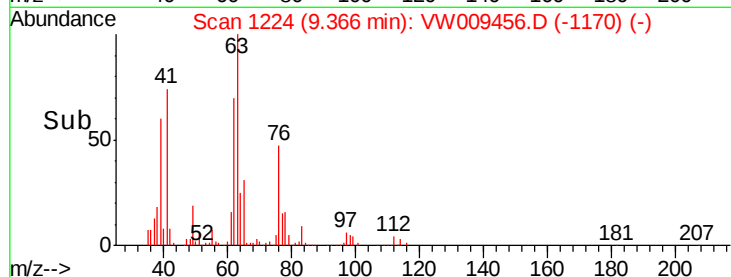
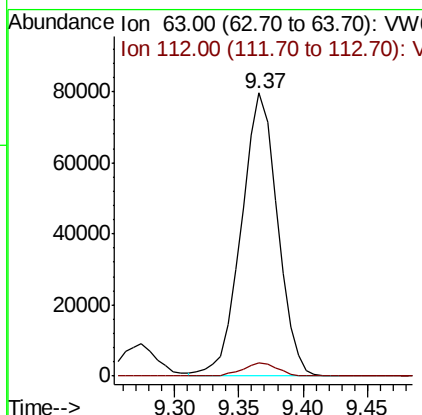
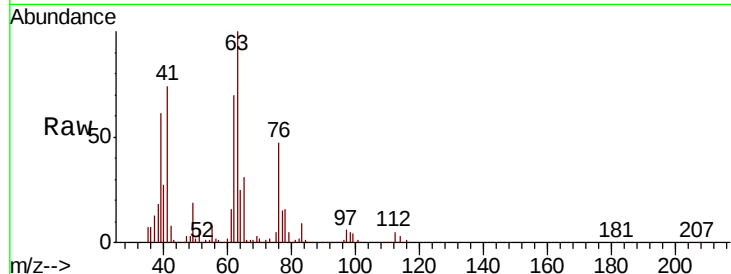




#40
 1,2-Dichloropropane
 Concen: 27.095 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

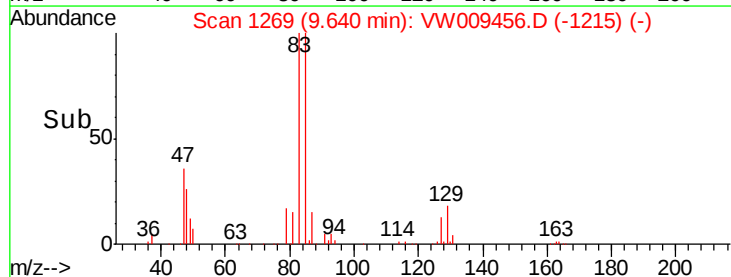
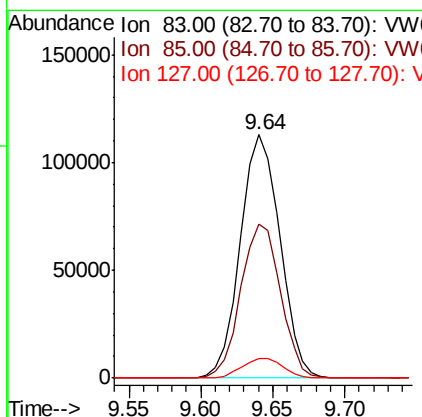
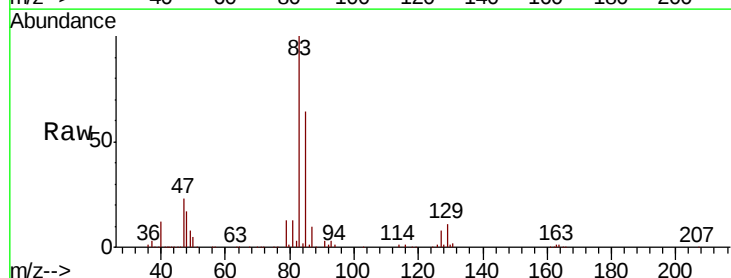
Instrument :
 MSVOA_W
 ClientSampled :

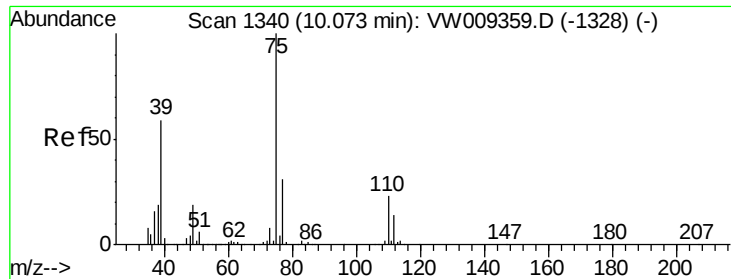
Tot Ion: 63 Resp: 154343
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.0 6.0



#41
 Bromodichloromethane
 Concen: 27.335 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Tgt Ion: 83 Resp: 215751
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.5 80.7
 127 8.1 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.354 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

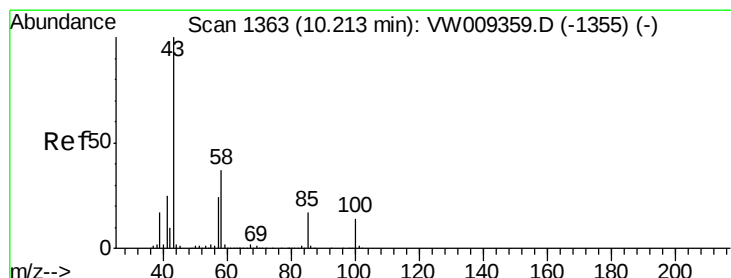
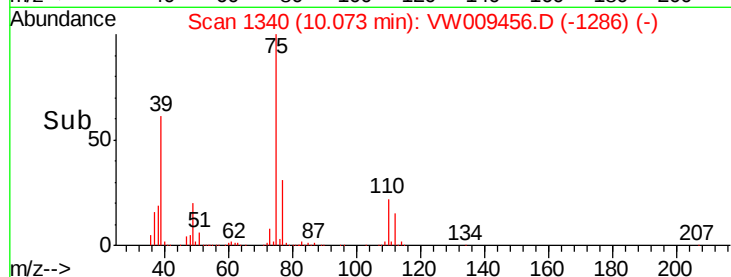
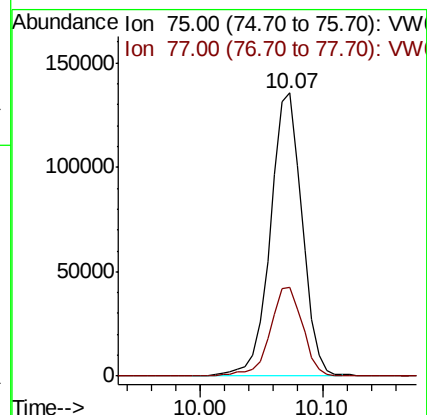
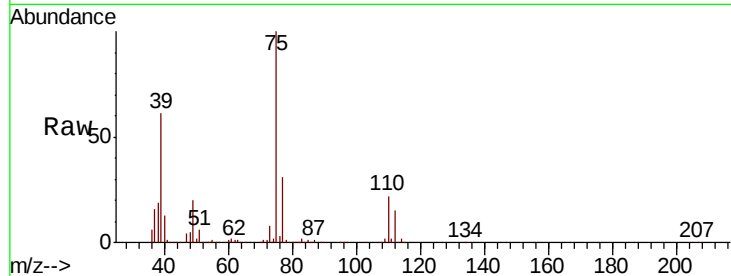
ClientSampled :

Tot Ion: 75 Resp: 244505

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 54.358 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

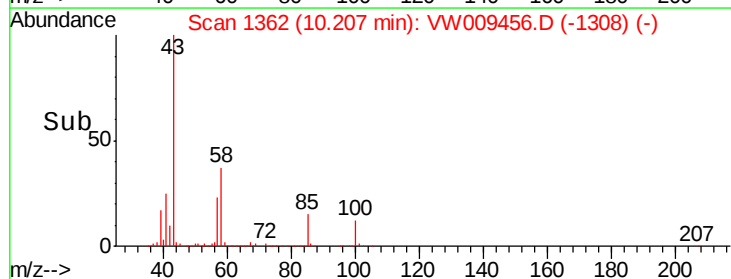
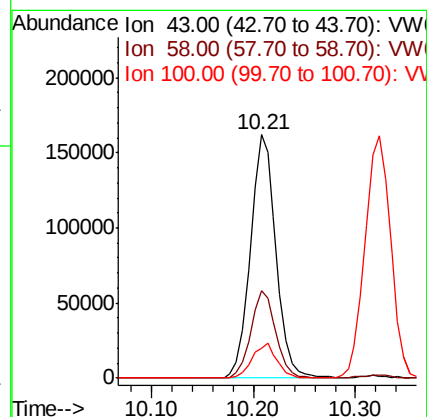
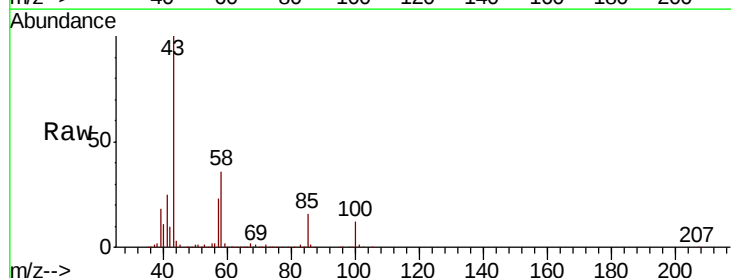
Tgt Ion: 43 Resp: 280586

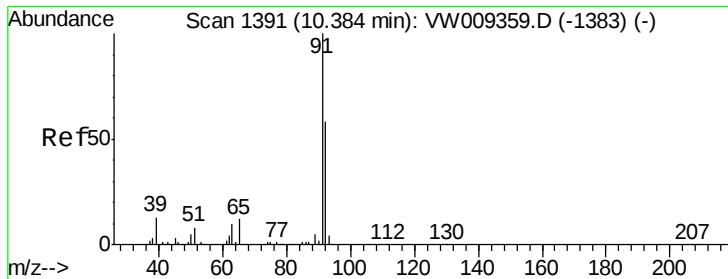
Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2

100 13.8 11.4 17.2





#44

Toluene

Concen: 27.801 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

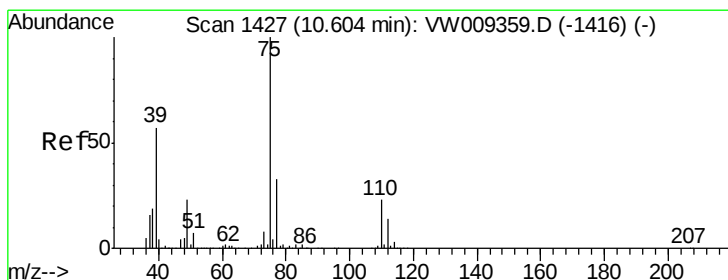
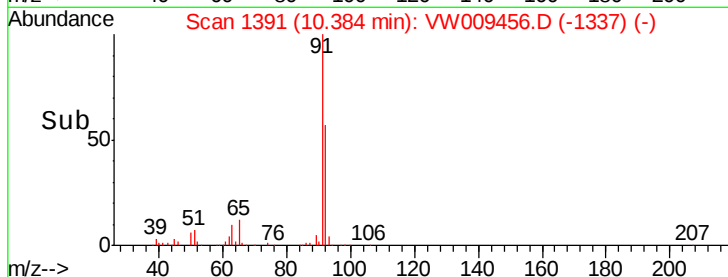
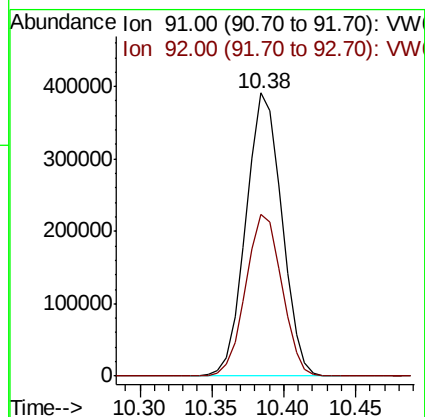
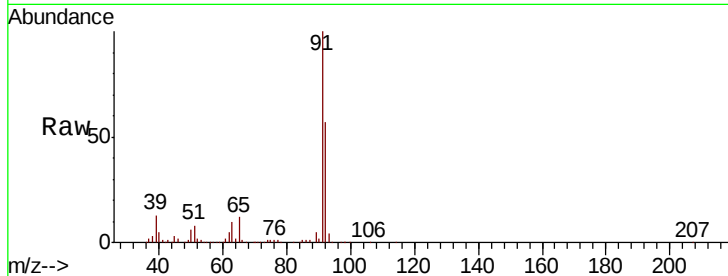
ClientSampled :

Tot Ion: 91 Resp: 674759

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.001 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009456.D

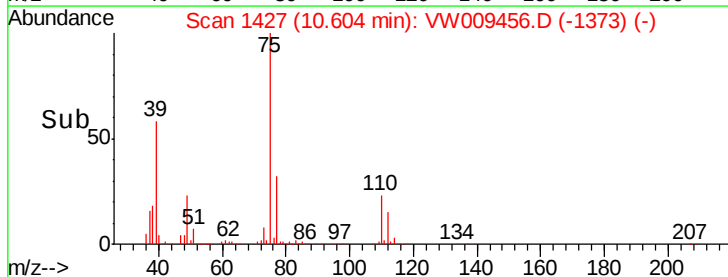
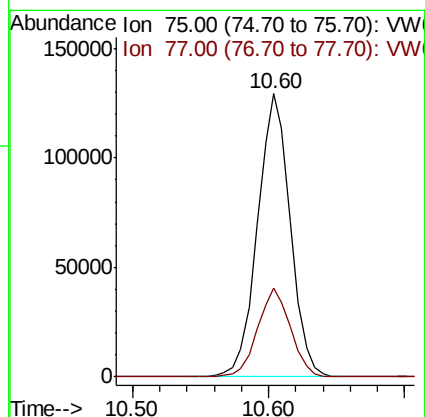
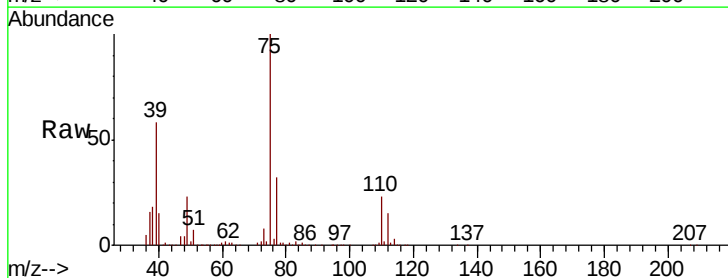
Acq: 26 Mar 2019 09:46

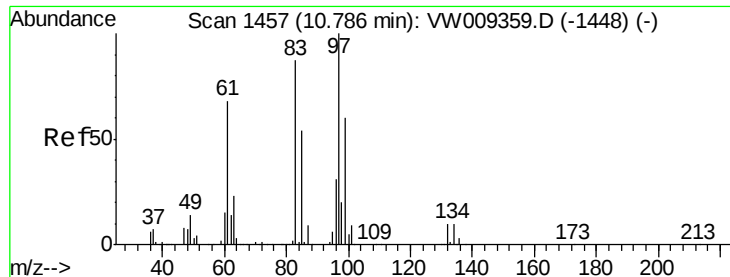
Tgt Ion: 75 Resp: 217918

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7

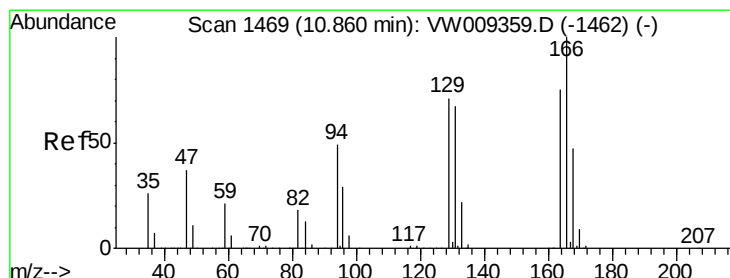
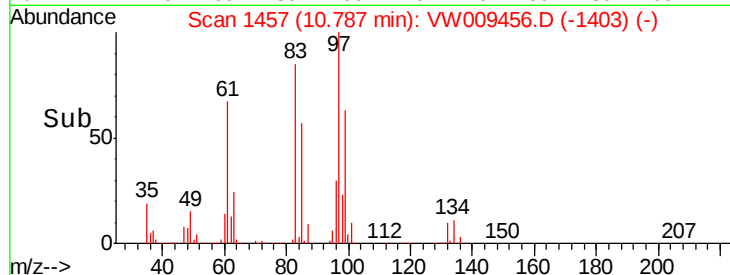
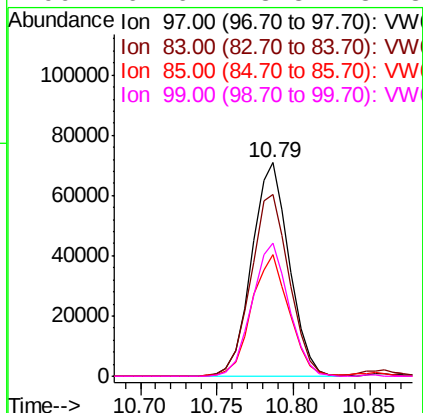
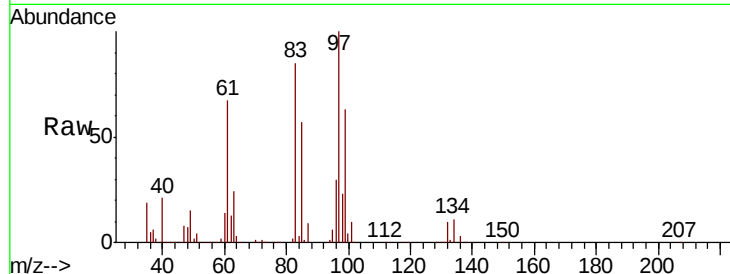




#46
1,1,2-Trichloroethane
Concen: 26.576 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

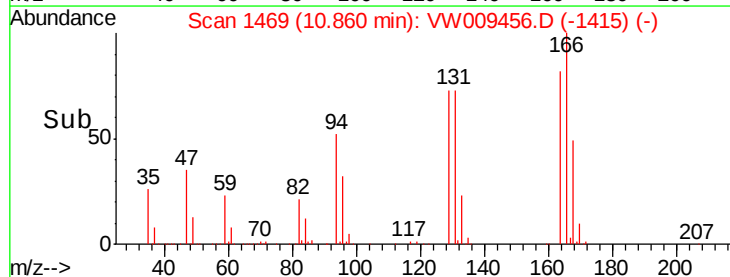
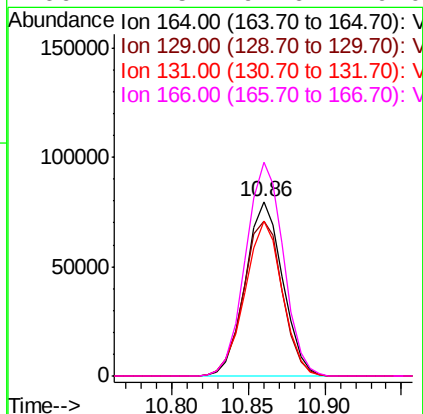
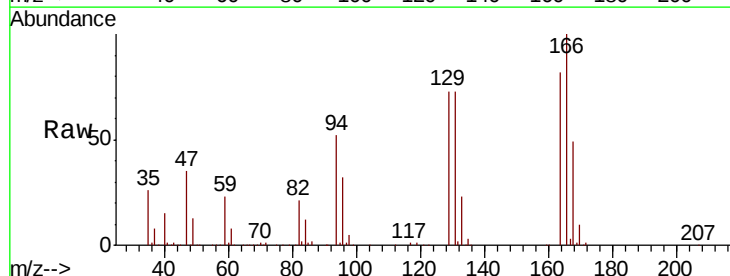
Instrument :
MSVOA_W
ClientSampled :

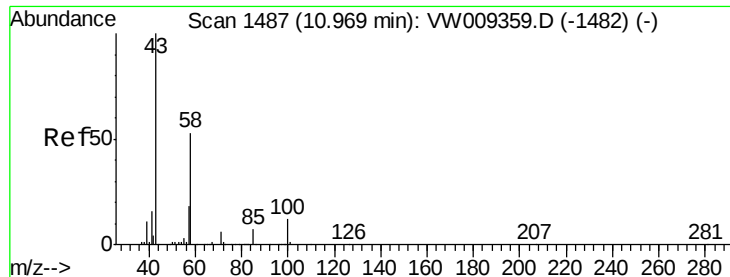
Tot Ion: 97 Resp: 120773
Ion Ratio Lower Upper
97 100
83 85.2 60.7 112.7
85 56.9 40.1 74.5
99 62.6 43.8 81.3



#47
Tetrachloroethene
Concen: 27.137 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

Tgt Ion: 164 Resp: 135629
Ion Ratio Lower Upper
164 100
129 88.9 66.5 123.5
131 89.0 62.6 116.3
166 122.5 91.6 170.0





#49

2-Hexanone

Concen: 58.180 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 211515

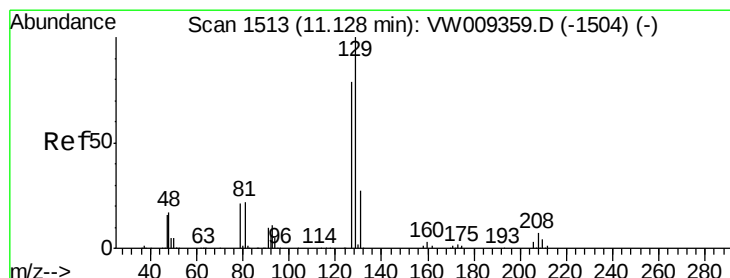
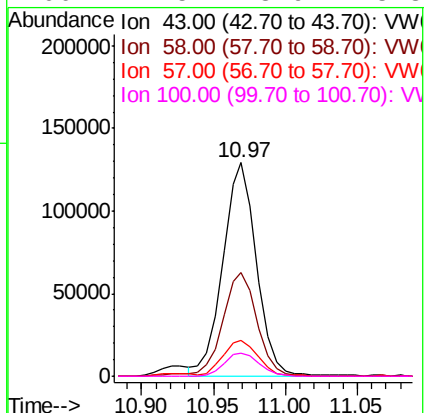
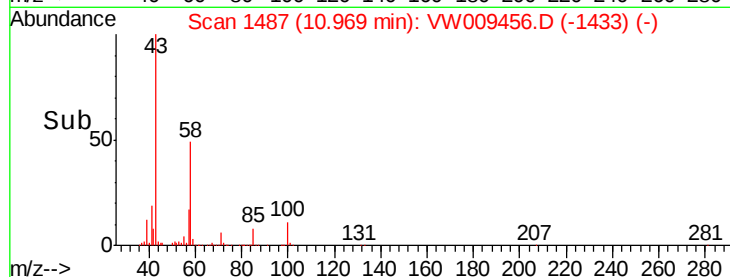
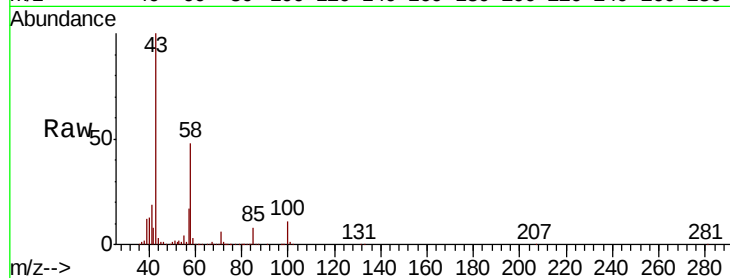
Ion Ratio Lower Upper

43 100

58 49.0 39.2 58.8

57 17.3 14.2 21.2

100 11.5 8.9 13.3



#50

Dibromochloromethane

Concen: 26.406 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009456.D

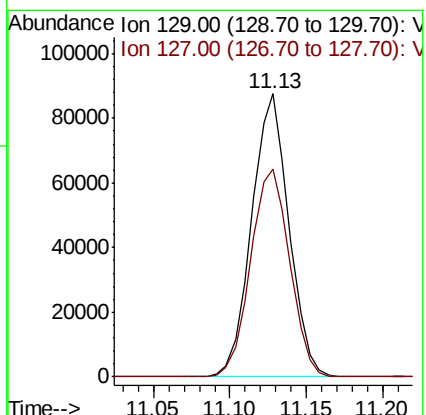
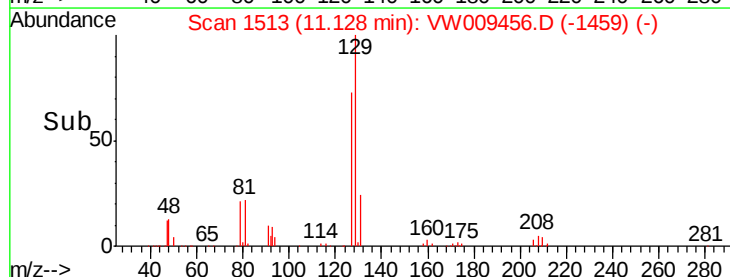
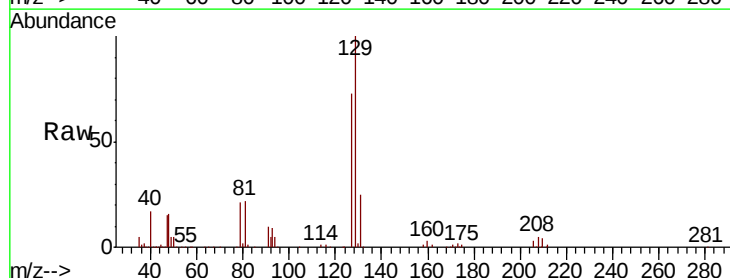
Acq: 26 Mar 2019 09:46

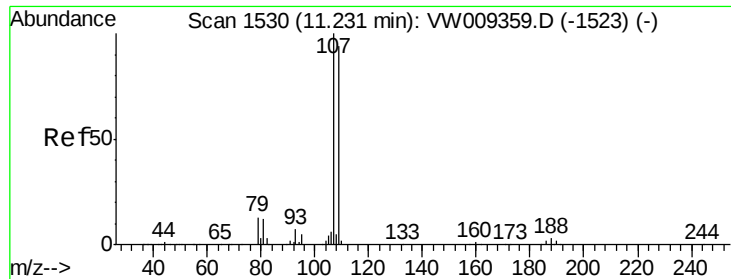
Tgt Ion: 129 Resp: 148138

Ion Ratio Lower Upper

129 100

127 73.5 56.8 105.6

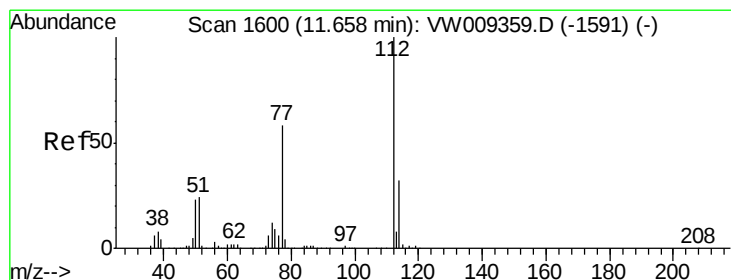
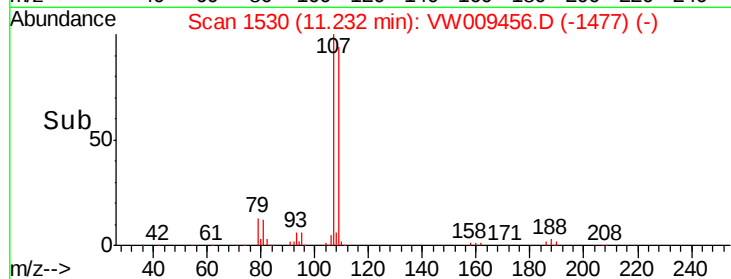
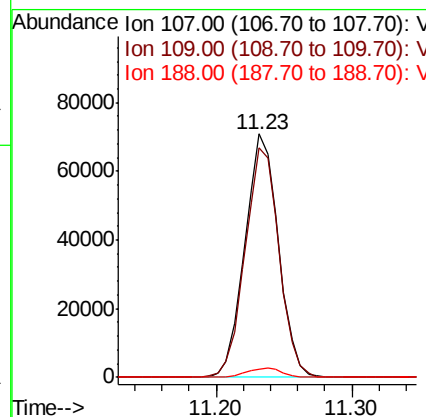
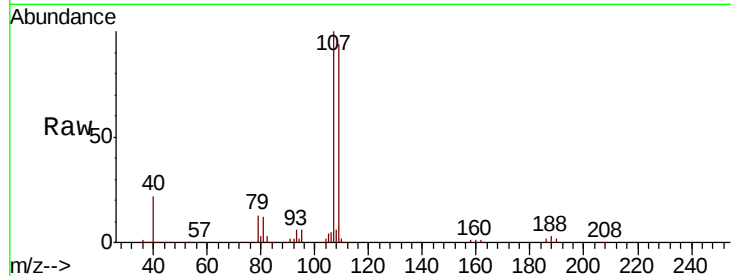




#51
1,2-Dibromoethane
Concen: 26.505 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

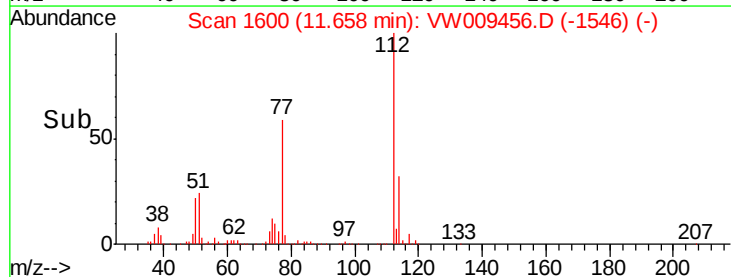
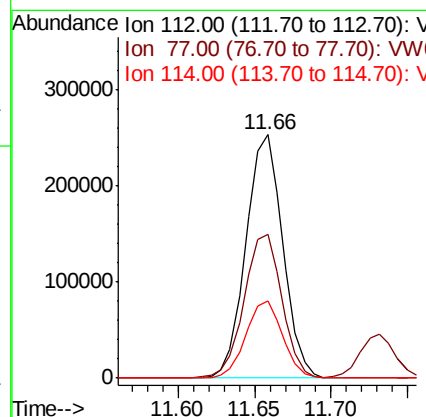
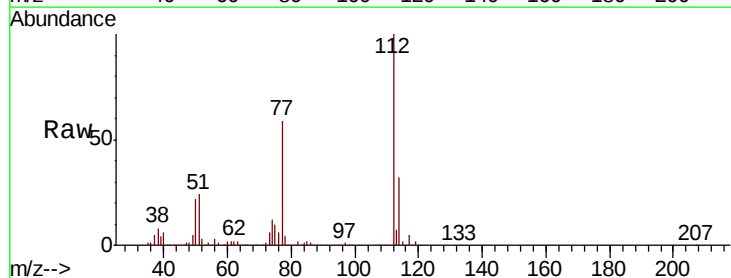
Instrument :
MSVOA_W
ClientSampleId :

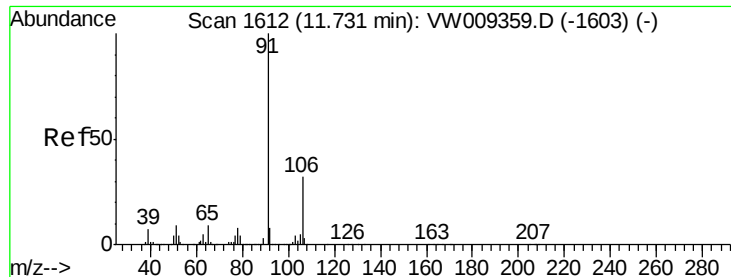
Tot Ion:107 Resp: 122111
Ion Ratio Lower Upper
107 100
109 94.5 68.0 126.4
188 3.5 3.5 5.3#



#52
Chlorobenzene
Concen: 27.085 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

Tgt Ion:112 Resp: 421631
Ion Ratio Lower Upper
112 100
77 59.2 45.7 68.5
114 31.8 22.8 42.4

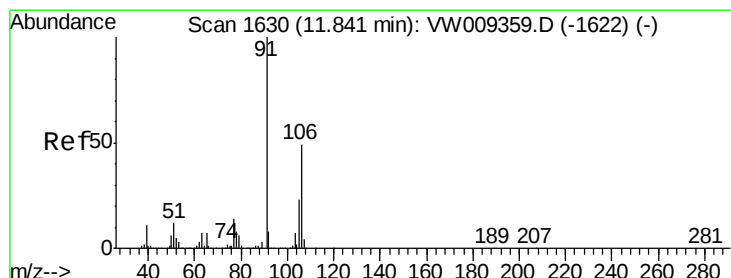
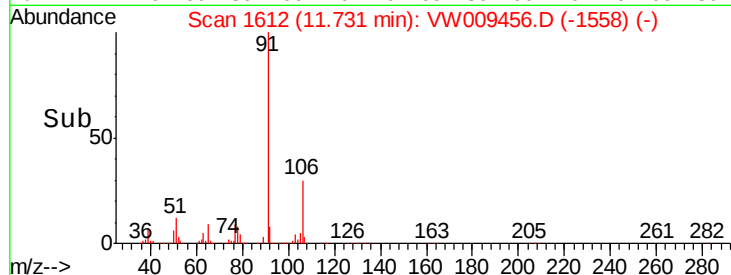
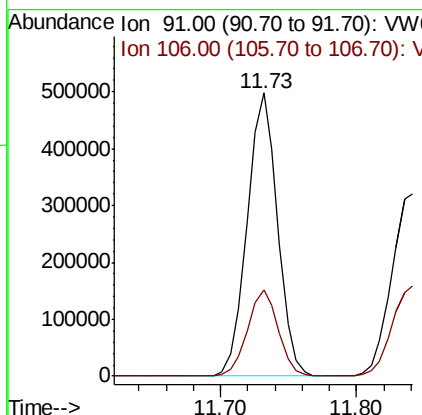
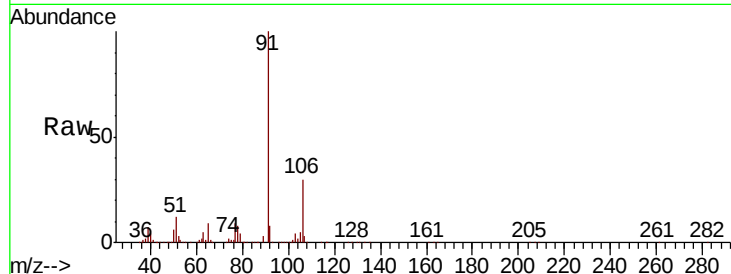




#53
Ethylbenzene
Concen: 28.468 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

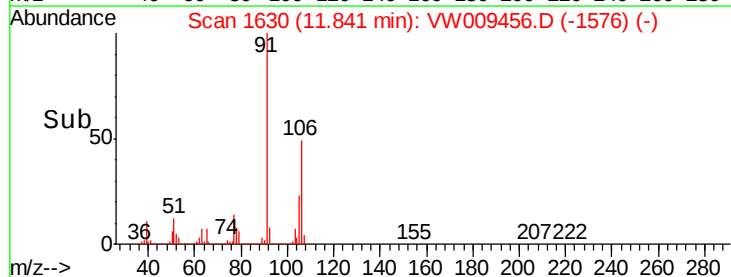
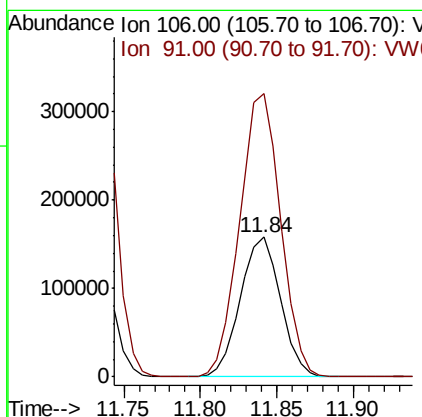
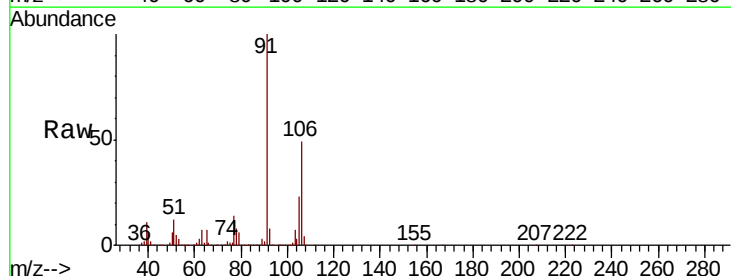
Instrument :
MSVOA_W
ClientSampled :

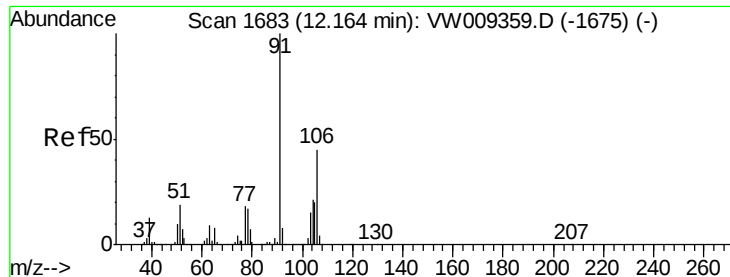
Tot Ion: 91 Resp: 776811
Ion Ratio Lower Upper
91 100
106 30.5 21.0 39.0



#54
m,p-Xylene
Concen: 27.953 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

Tgt Ion: 106 Resp: 289792
Ion Ratio Lower Upper
106 100
91 202.4 138.4 257.0

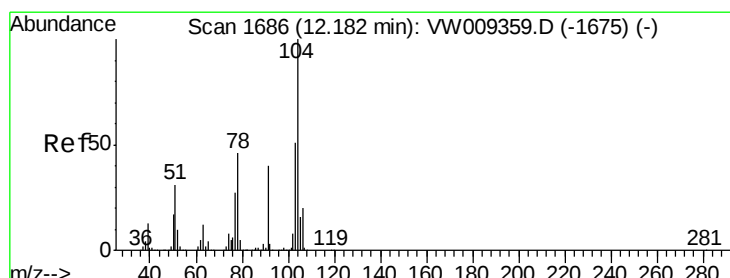
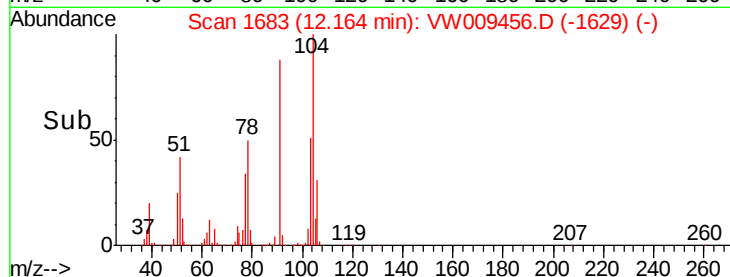
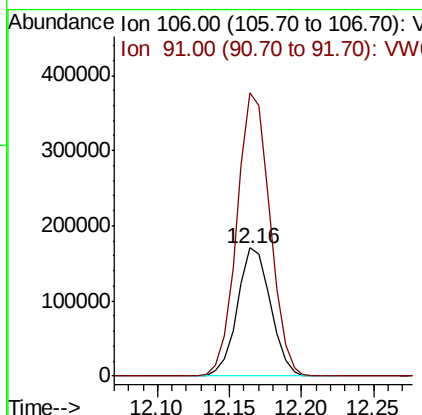
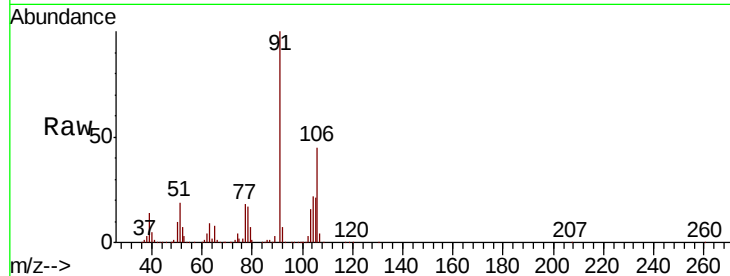




#55
o-xylene
Concen: 27.035 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

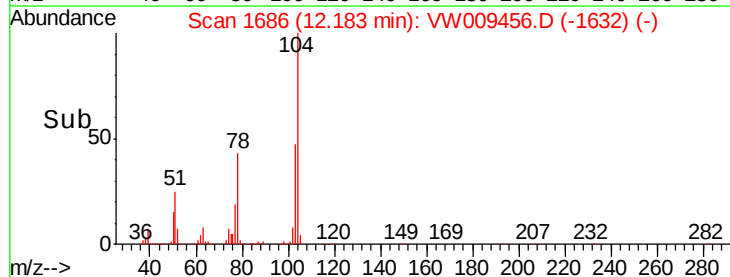
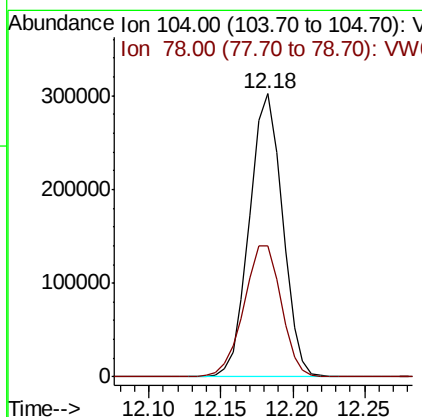
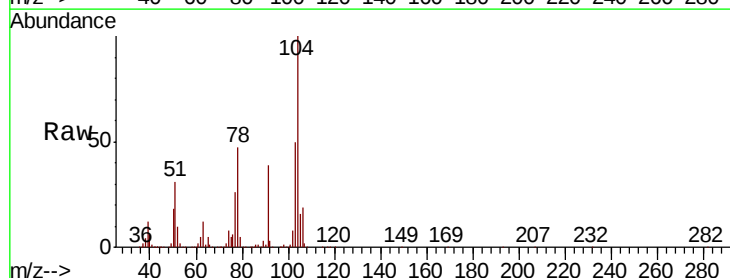
Instrument :
MSVOA_W
ClientSampled :

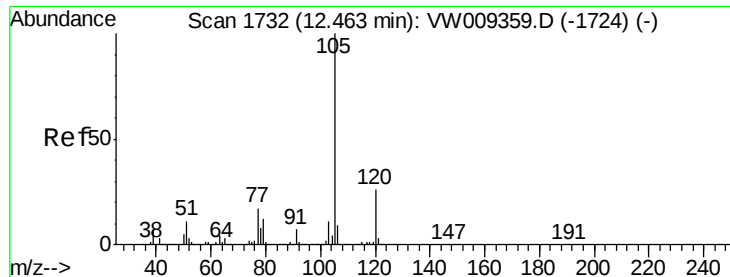
Tot Ion:106 Resp: 273426
Ion Ratio Lower Upper
106 100
91 220.5 153.2 284.4



#56
Styrene
Concen: 27.974 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009456.D
Acq: 26 Mar 2019 09:46

Tgt Ion:104 Resp: 482730
Ion Ratio Lower Upper
104 100
78 46.5 30.9 57.3





#57

Isopropylbenzene

Concen: 28.729 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

ClientSampled :

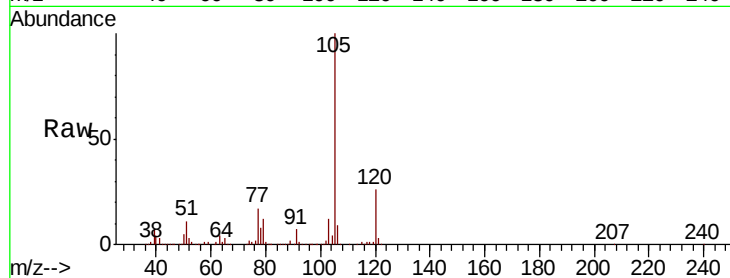
Tot Ion: 105 Resp: 778353

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

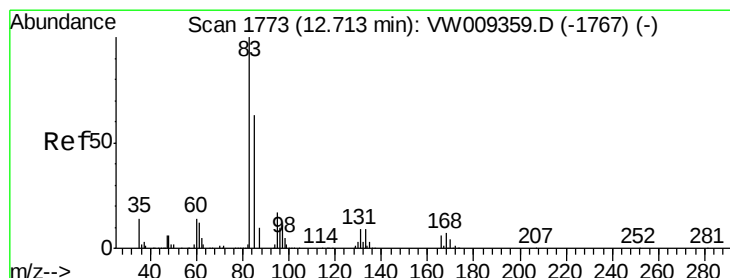
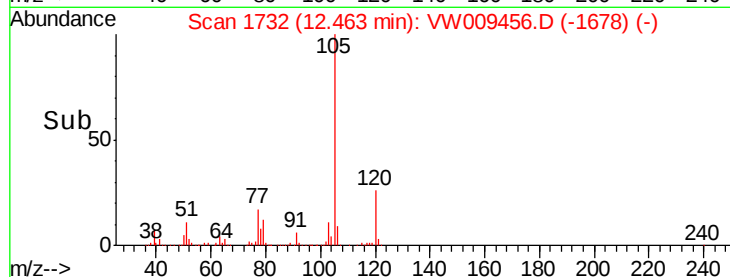
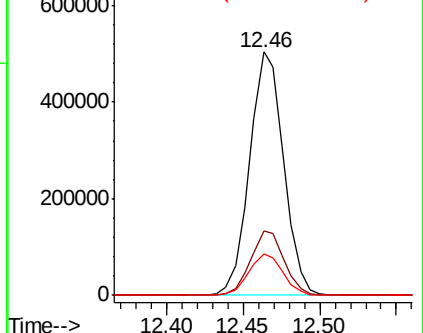
77 17.2 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 28.047 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

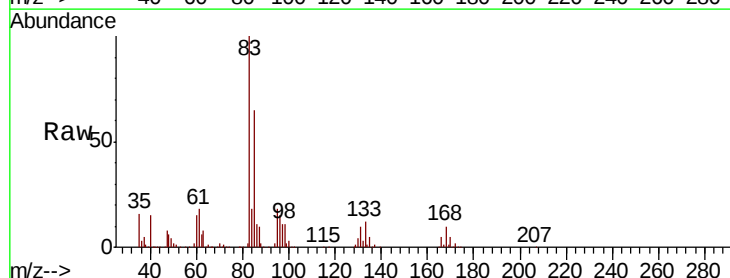
Tgt Ion: 83 Resp: 171949

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8

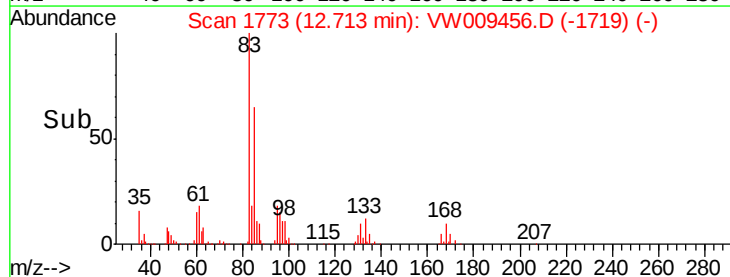
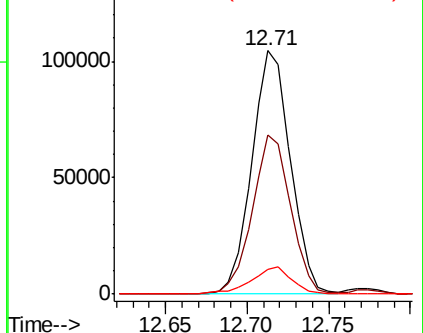
131 9.9 9.2 13.8

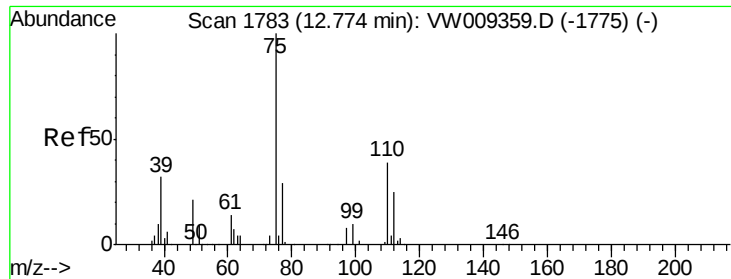


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 28.530 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

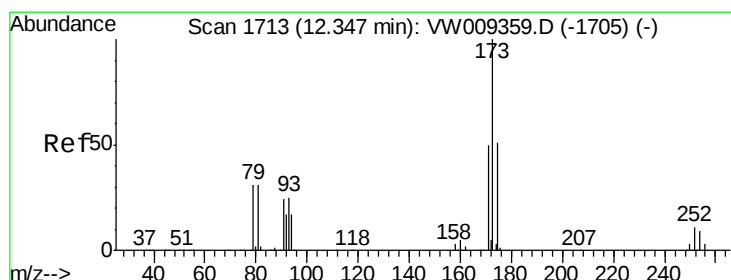
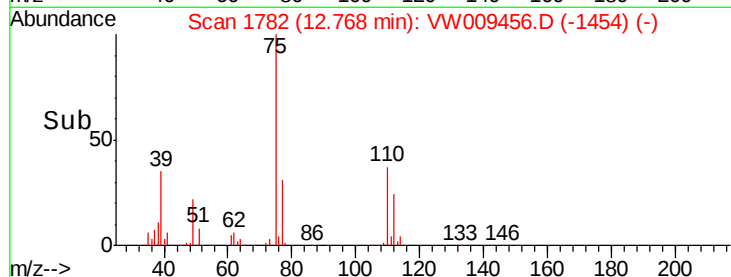
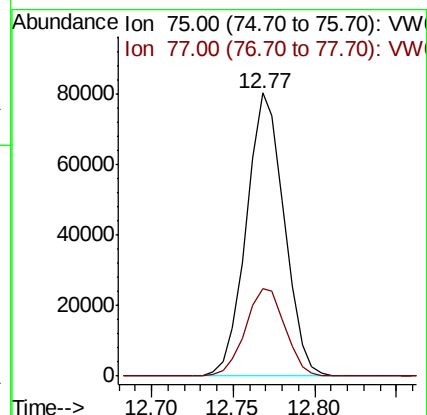
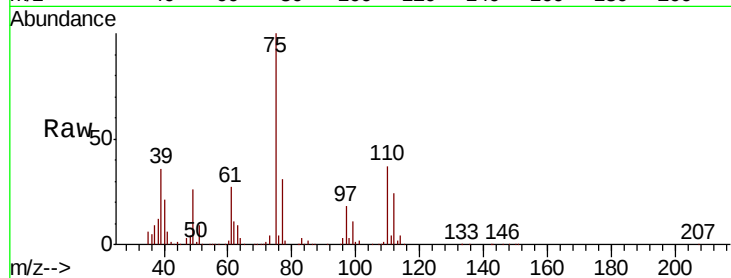
ClientSampled :

Tot Ion: 75 Resp: 129809

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#62

Bromoform

Concen: 26.906 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

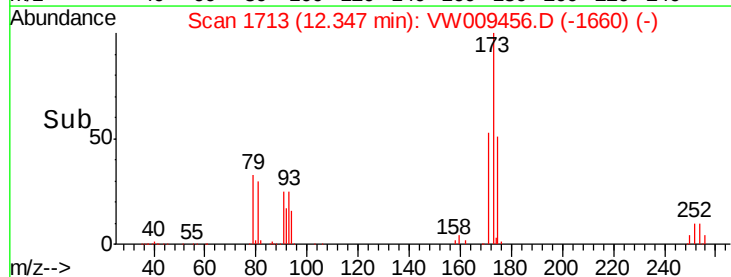
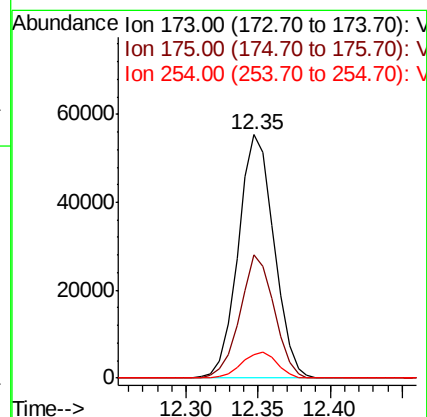
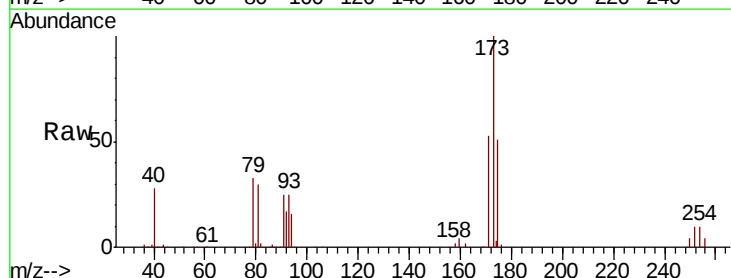
Tgt Ion: 173 Resp: 95574

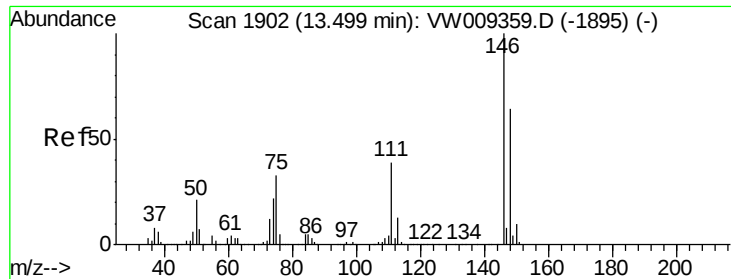
Ion Ratio Lower Upper

173 100

175 48.1 39.7 59.5

254 10.4 8.5 12.7

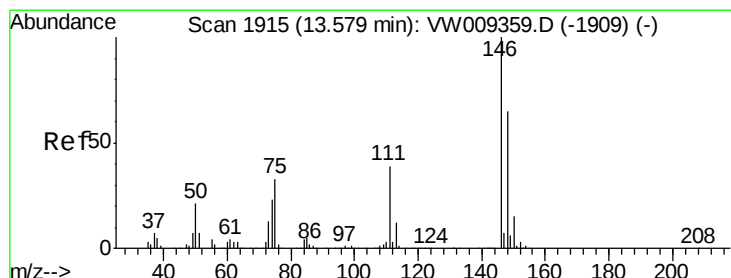
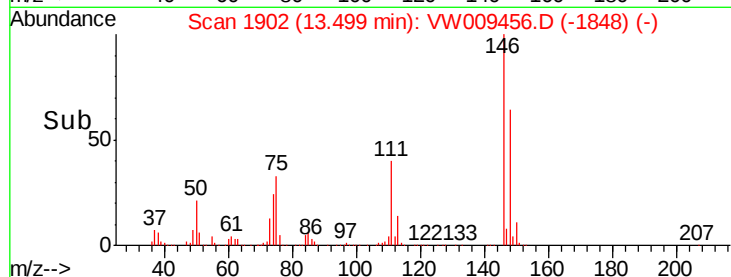
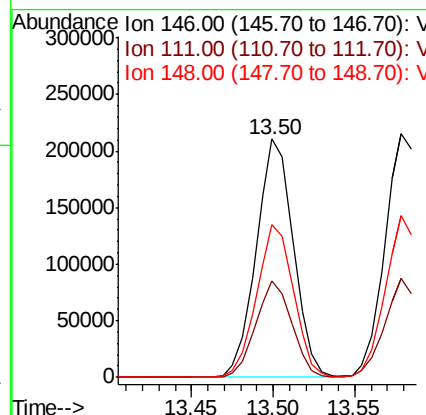
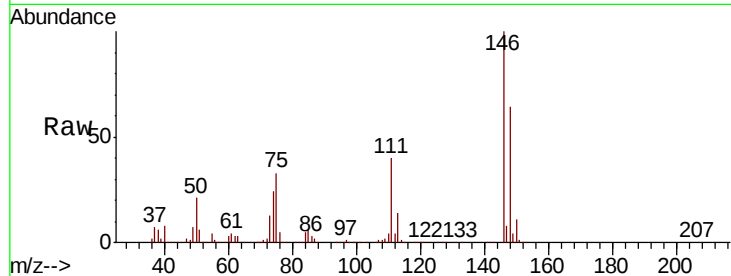




#63
 1,3-Dichlorobenzene
 Concen: 26.597 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

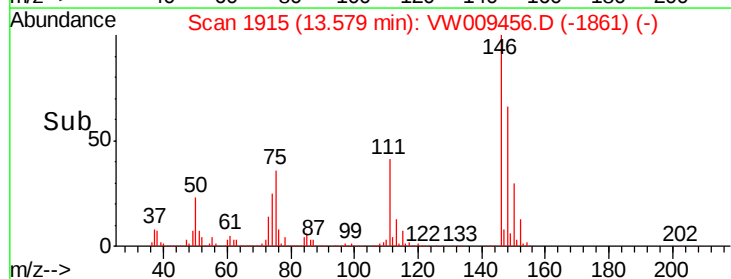
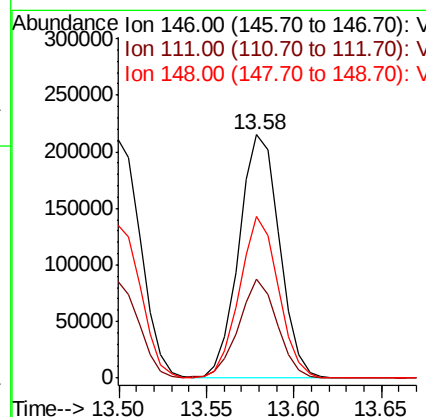
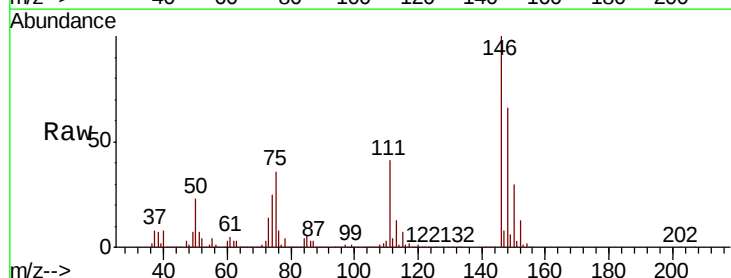
Instrument :
 MSVOA_W
 ClientSampled :

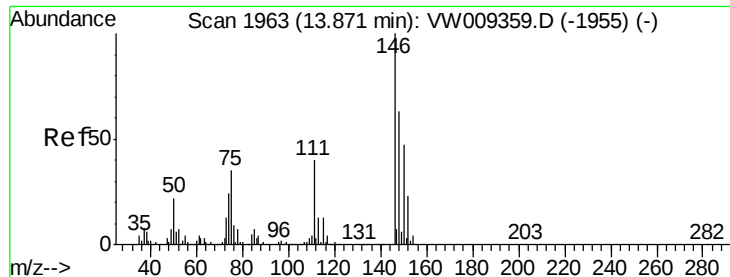
Tot Ion:146 Resp: 333250
 Ion Ratio Lower Upper
 146 100
 111 40.4 26.9 49.9
 148 64.3 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.853 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Tgt Ion:146 Resp: 347850
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.8 51.6
 148 66.4 46.3 86.1

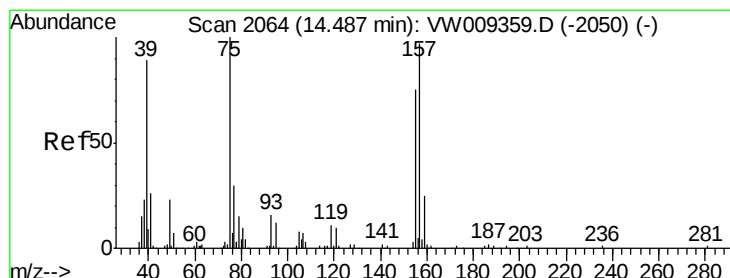
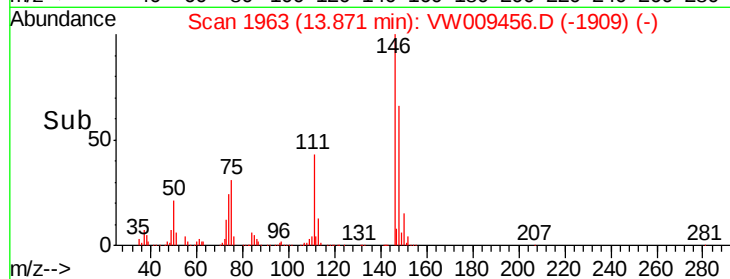
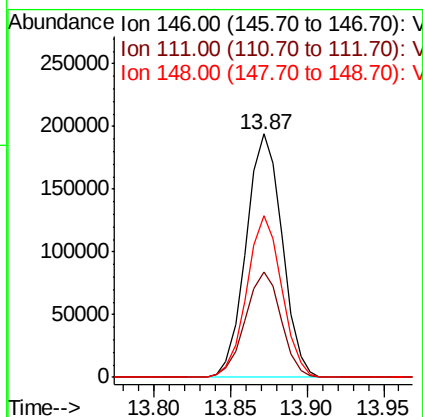
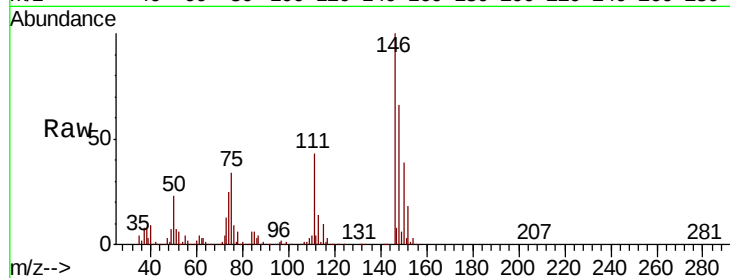




#65
 1,2-Dichlorobenzene
 Concen: 26.677 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

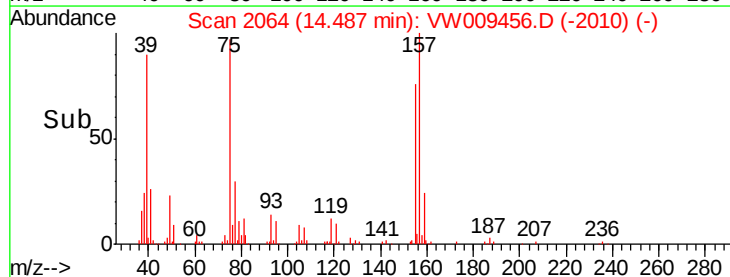
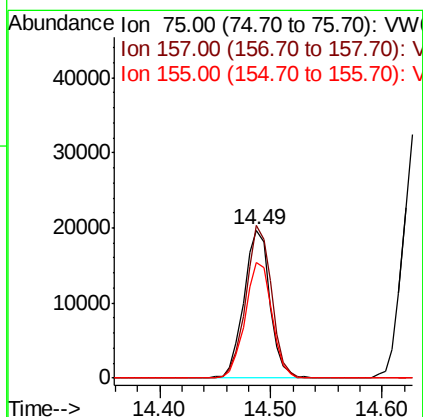
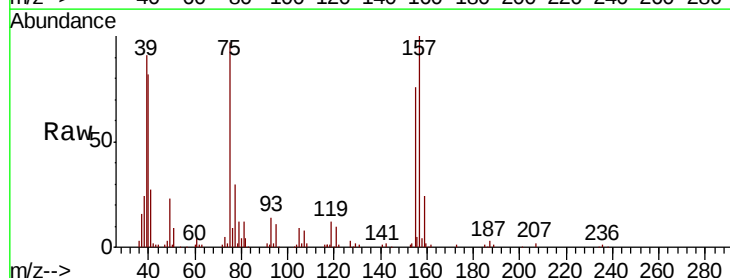
Instrument :
 MSVOA_W
 ClientSampled :

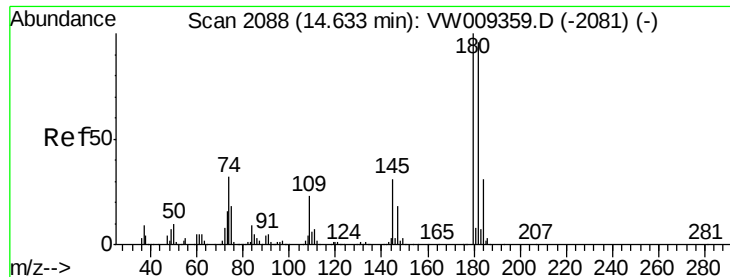
Tot Ion:146 Resp: 318766
 Ion Ratio Lower Upper
 146 100
 111 43.4 33.5 50.3
 148 66.2 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.268 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Tgt Ion: 75 Resp: 31933
 Ion Ratio Lower Upper
 75 100
 157 103.0 89.0 133.4
 155 78.6 64.2 96.2

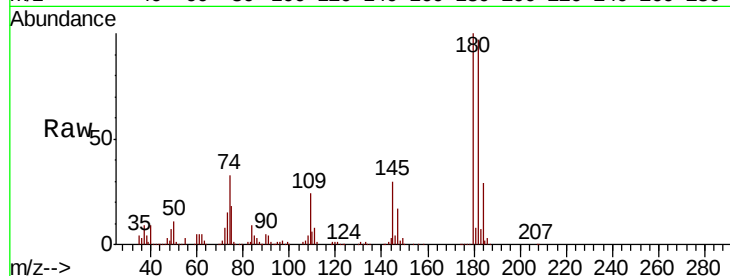




#67
 1,3,5-Trichlorobenzene
 Concen: 26.634 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.4	23.8	35.6
145	30.0	23.4	35.2



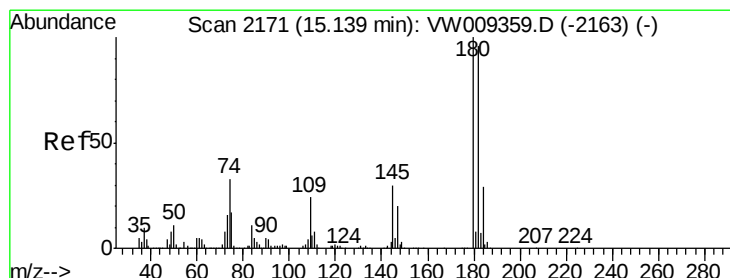
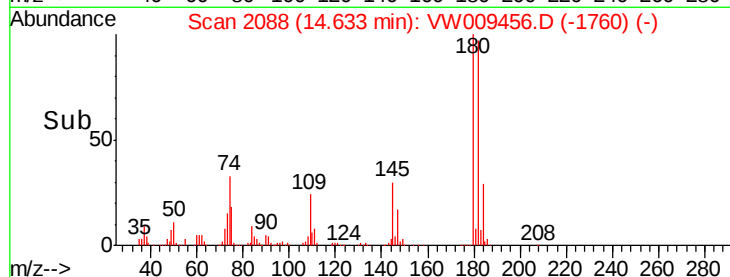
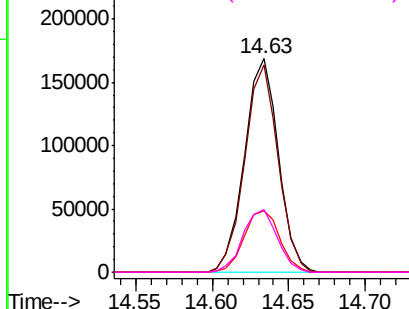
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

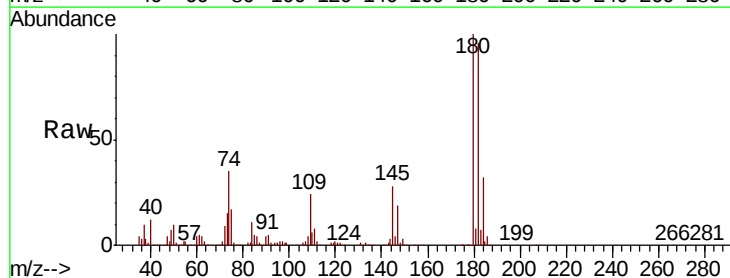
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.581 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009456.D
 Acq: 26 Mar 2019 09:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.5	113.3
145	29.6	24.1	36.1

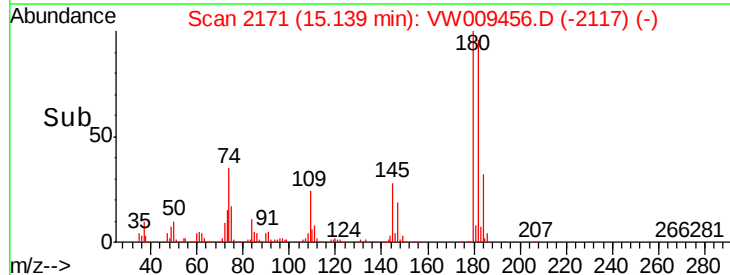
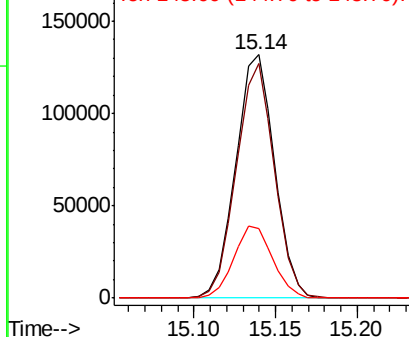


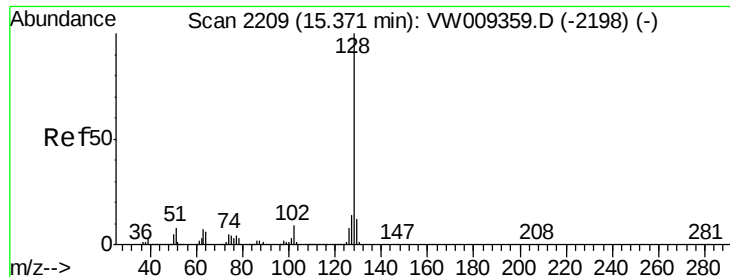
Abundance

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: 27.329 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

Instrument :

MSVOA_W

ClientSampleId :

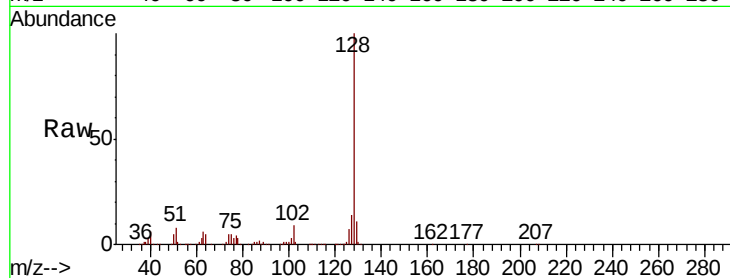
Tot Ion:128 Resp: 465119

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

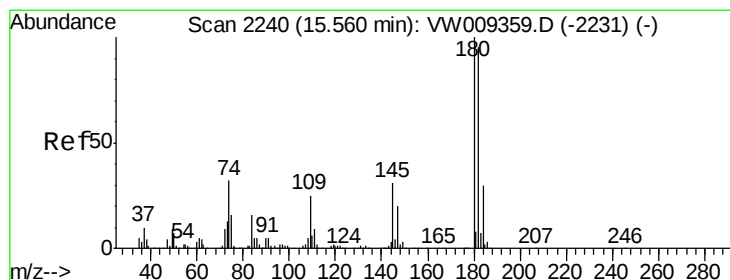
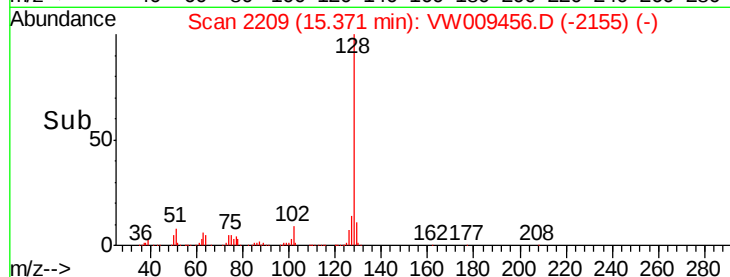
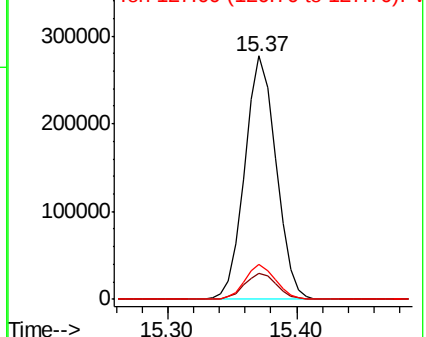
127 14.0 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.498 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009456.D

Acq: 26 Mar 2019 09:46

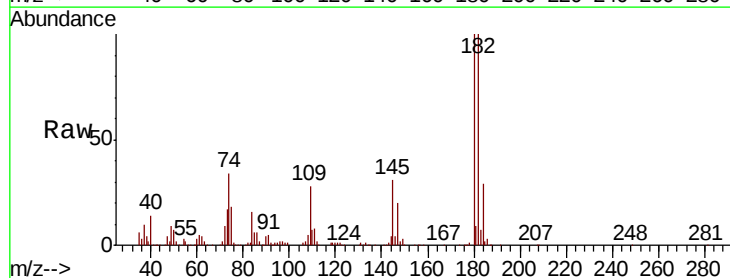
Tgt Ion:180 Resp: 203735

Ion Ratio Lower Upper

180 100

182 96.1 77.2 115.8

145 32.1 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

