

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121018\
 Data File : VW007368.D
 Acq On : 10 Dec 2018 19:46
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 11 01:22:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 11 01:18:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	122174	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	100892	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	51274	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	24326	30.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.28%
7) Chloroethane-d5	2.90	69	18350	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.92%
10) 1,1-Dichloroethene-d2	4.02	63	80784	29.43	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	117.72%#
20) 2-Butanone-d5	7.08	46	25592	51.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.04%
24) Chloroform-d	7.65	84	82609	28.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.68%
26) 1,2-Dichloroethane-d4	8.31	65	46743	28.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.00%
29) Benzene-d6	8.27	84	159772	29.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.64%
33) 1,2-Dichloropropane-d6	9.27	67	44188	28.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.04%
37) Toluene-d8	10.32	98	154143	30.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	120.00%
38) trans-1,3-Dichloropropene-	10.58	79	22770	28.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.92%
39) 2-Hexanone-d5	10.93	63	20911	55.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	41399	29.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	51327	28.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	37598	28.179	ug/L	93
3) Chloromethane	2.21	50	23442	21.947	ug/L	99
5) Vinyl chloride	2.37	62	29562	29.336	ug/L	98
6) Bromomethane	2.78	94	17551	25.181	ug/L	100
8) Chloroethane	2.93	64	15109	24.908	ug/L	99
9) Trichlorofluoromethane	3.26	101	24571	21.242	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	16754	10.865	ug/L #	1
12) 1,1-Dichloroethene	4.03	96	38923	27.128	ug/L	93
13) Acetone	4.12	43	22503	38.580	ug/L	99
14) Carbon disulfide	4.37	76	115366	27.538	ug/L	99
15) Methyl Acetate	4.67	43	20073	22.950	ug/L #	93
16) Methylene chloride	4.91	84	40716	20.625	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	60292	25.843	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	41004	26.639	ug/L	95
19) 1,1-Dichloroethane	6.21	63	68419	26.076	ug/L	98
21) 2-Butanone	7.17	43	27897	44.499	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	44259	26.129	ug/L	98

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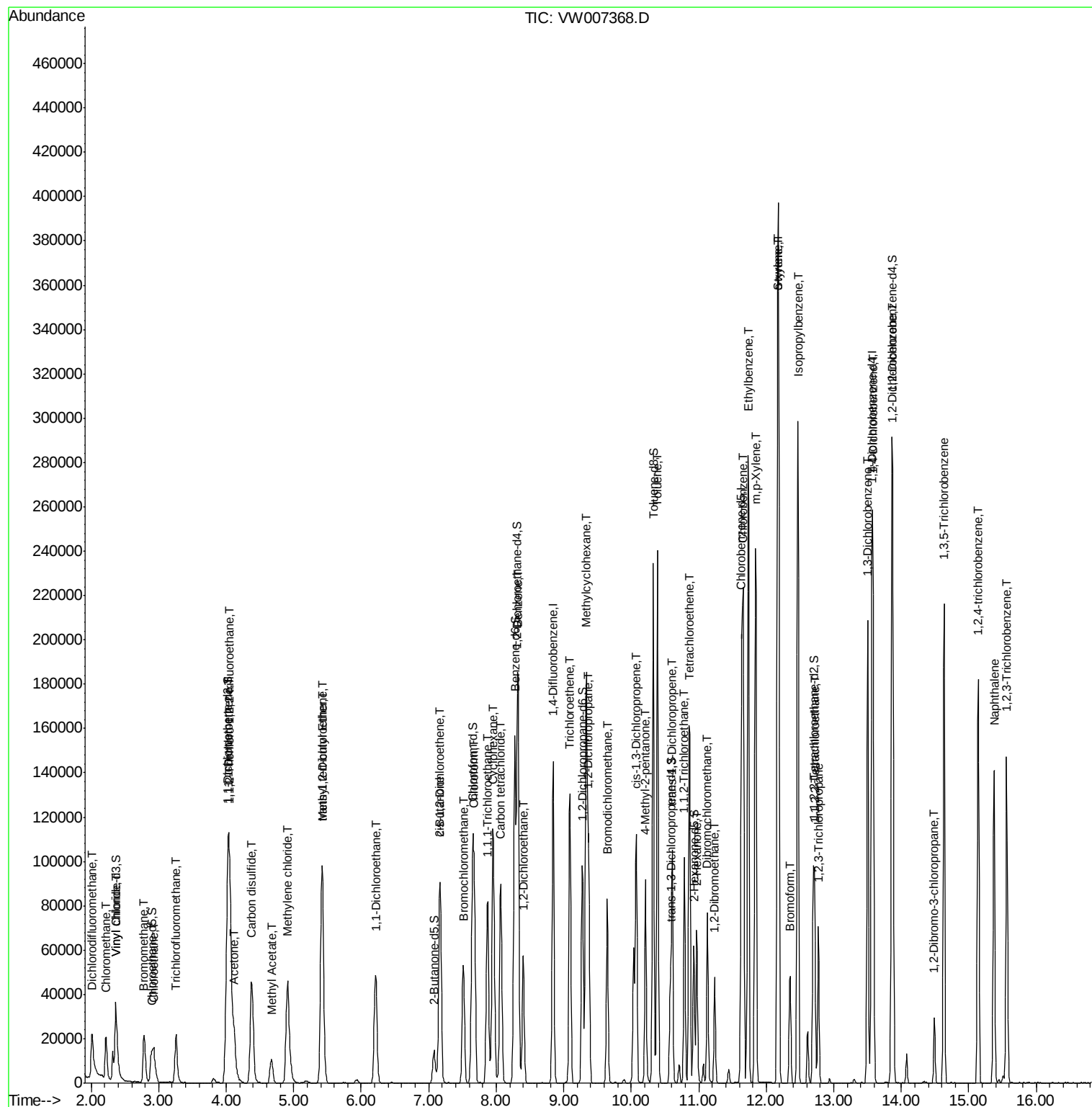
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	20197	26.156	ug/L	89
25) Chloroform	7.68	83	76810	27.056	ug/L	99
27) 1,2-Dichloroethane	8.40	62	54356	26.784	ug/L	99
30) Cyclohexane	7.95	56	65399	27.020	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	69266	29.169	ug/L	99
32) Carbon tetrachloride	8.07	117	67082	29.233	ug/L	97
34) Benzene	8.32	78	158155	27.348	ug/L	100
35) Trichloroethene	9.09	95	45721	27.571	ug/L	99
36) Methylcyclohexane	9.34	83	77395	27.036	ug/L	99
40) 1,2-Dichloropropane	9.37	63	37935	26.817	ug/L	98
41) Bromodichloromethane	9.65	83	56508	27.820	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	65101	27.403	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	56323	50.303	ug/L	99
44) Toluene	10.39	91	176857	28.373	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	57513	27.567	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	32514	27.914	ug/L	89
47) Tetrachloroethene	10.87	164	34725	27.721	ug/L	89
49) 2-Hexanone	10.97	43	40212	51.099	ug/L	96
50) Dibromochloromethane	11.13	129	38271	26.745	ug/L	83
51) 1,2-Dibromoethane	11.24	107	31122	26.604	ug/L	99
52) Chlorobenzene	11.66	112	113983	28.176	ug/L	93
53) Ethylbenzene	11.73	91	204644	29.197	ug/L	97
54) m,p-Xylene	11.84	106	76939	28.897	ug/L	92
55) o-xylene	12.17	106	70712	28.103	ug/L	100
56) Styrene	12.18	104	125868	29.183	ug/L	97
57) Isopropylbenzene	12.46	105	196978	28.049	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	35960	24.903	ug/L #	99
59) 1,2,3-Trichloropropane	12.77	75	29754	26.031	ug/L	95
62) Bromoform	12.35	173	22840	26.011	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	89401	27.140	ug/L	89
64) 1,4-Dichlorobenzene	13.58	146	83739	25.500	ug/L	86
65) 1,2-Dichlorobenzene	13.88	146	77539	26.302	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	7880	25.237	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	62601	26.235	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	55964	27.204	ug/L	97
69) Naphthalene	15.38	128	125841	24.747	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	50820	27.173	ug/L	98

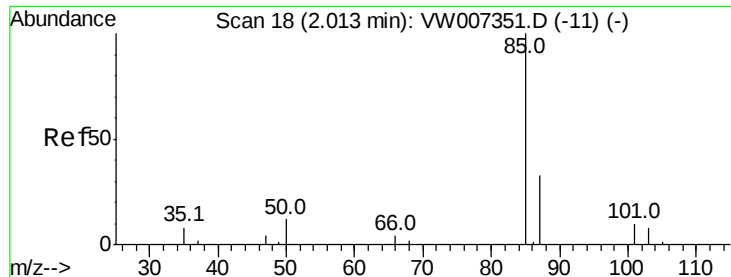
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.179 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

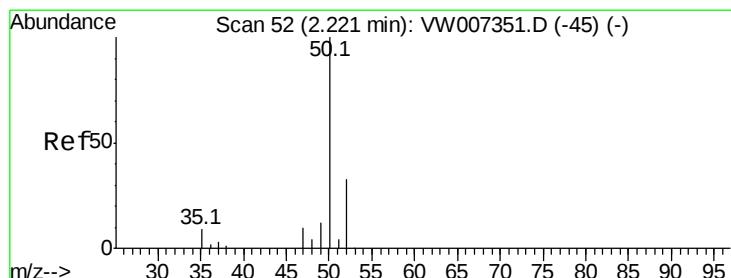
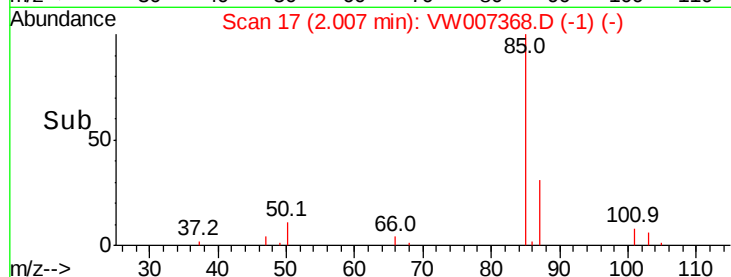
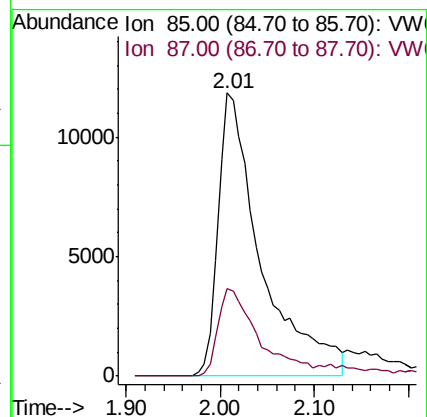
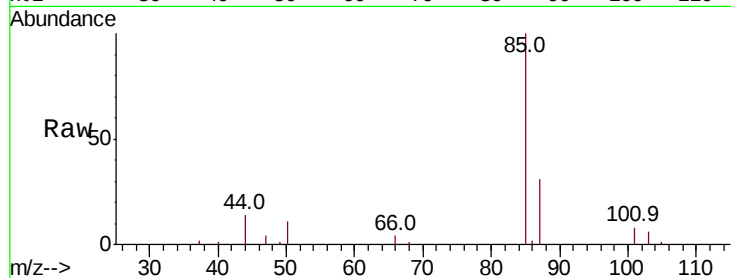
ClientSampled :

Tot Ion: 85 Resp: 37598

Ion Ratio Lower Upper

85 100

87 29.4 23.2 43.0



#3

Chloromethane

Concen: 21.947 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007368.D

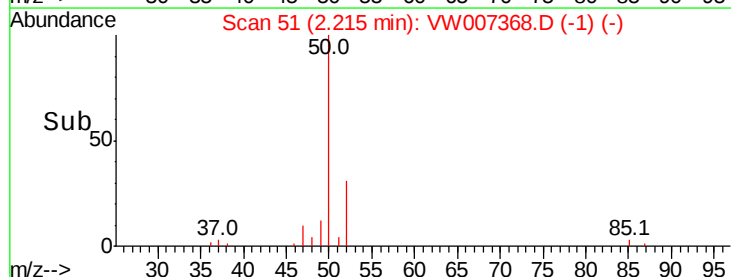
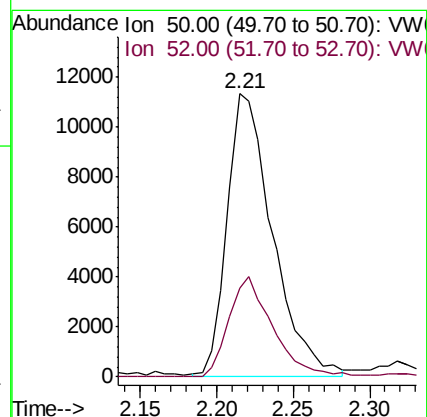
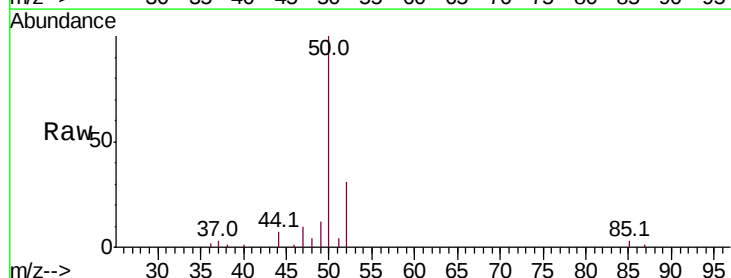
Acq: 10 Dec 2018 19:46

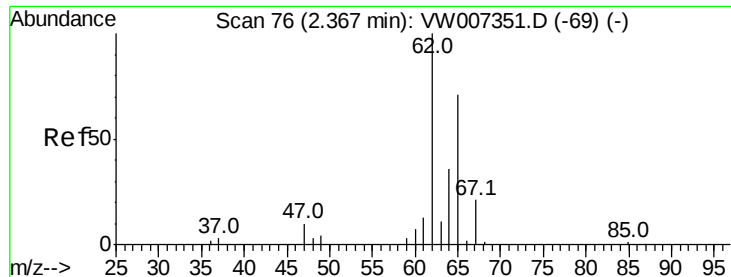
Tgt Ion: 50 Resp: 23442

Ion Ratio Lower Upper

50 100

52 31.2 22.2 41.2





#5

Vinyl chloride

Concen: 29.336 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

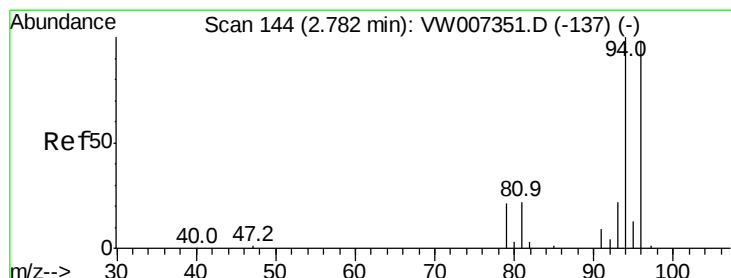
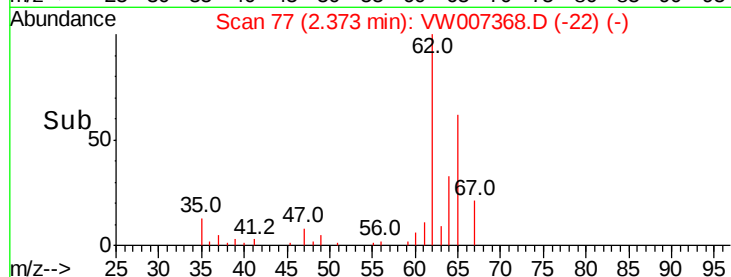
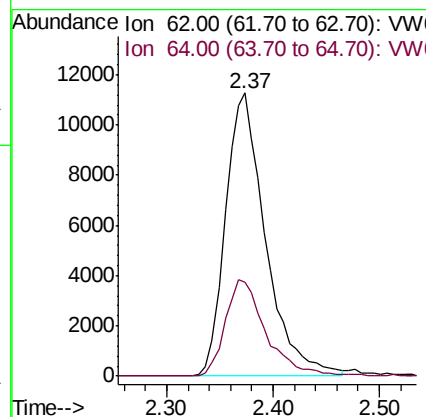
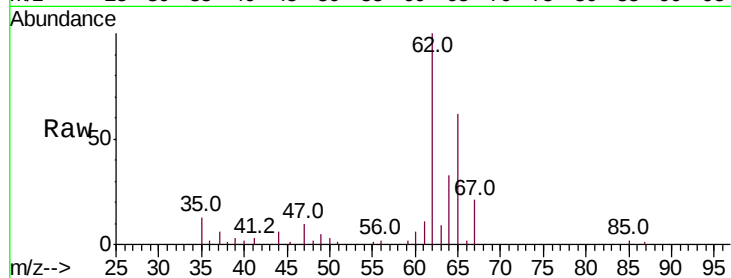
ClientSampled :

Tot Ion: 62 Resp: 29562

Ion Ratio Lower Upper

62 100

64 33.1 23.9 44.3



#6

Bromomethane

Concen: 25.181 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW007368.D

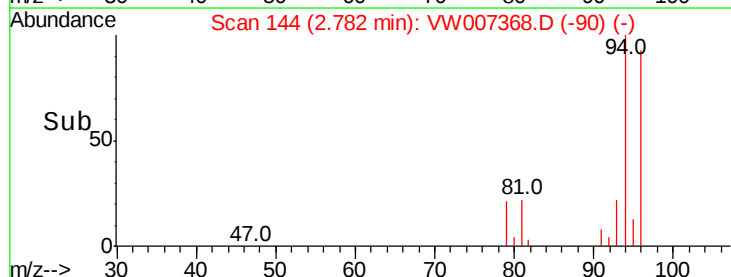
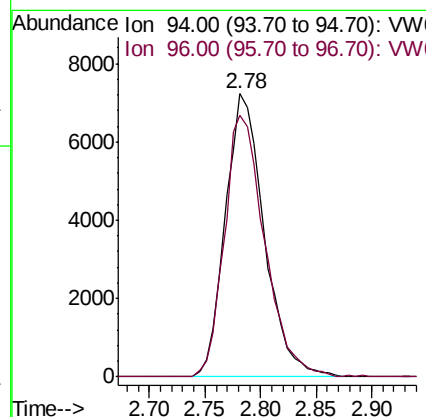
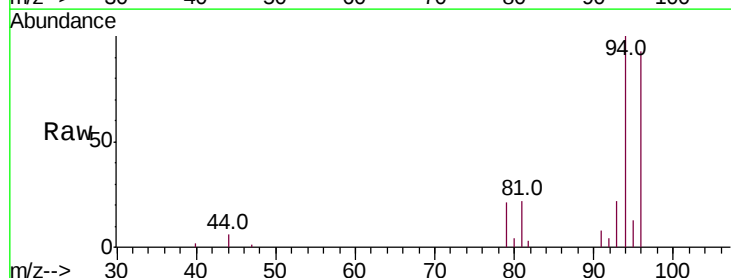
Acq: 10 Dec 2018 19:46

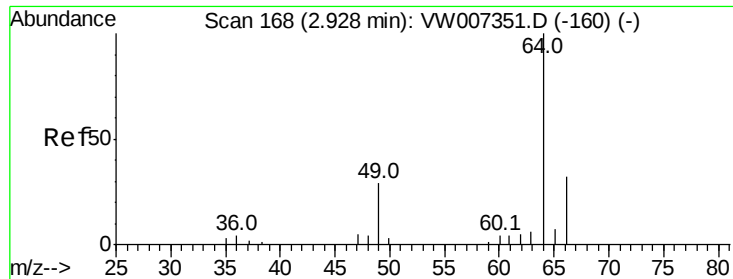
Tgt Ion: 94 Resp: 17551

Ion Ratio Lower Upper

94 100

96 95.5 9.6 181.8

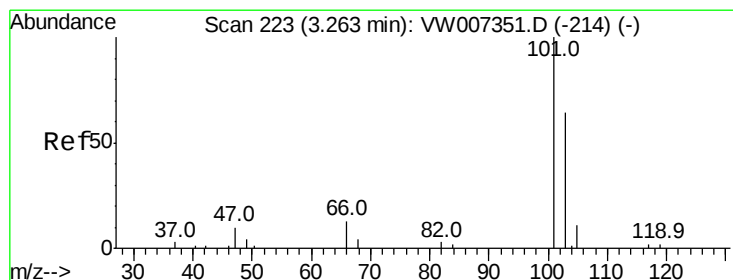
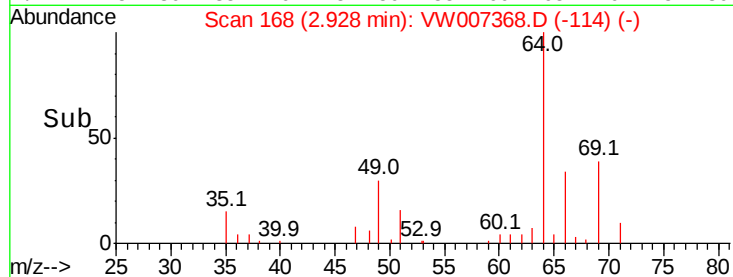
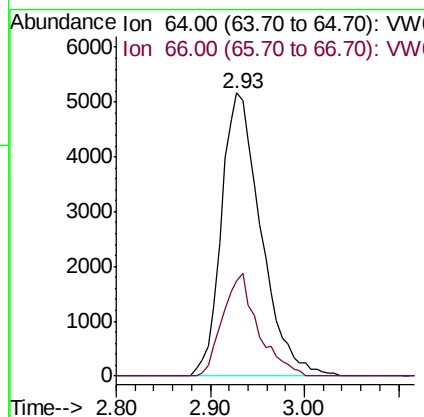
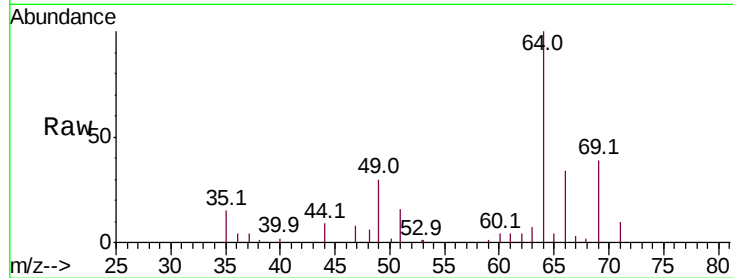




#8
Chloroethane
Concen: 24.908 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

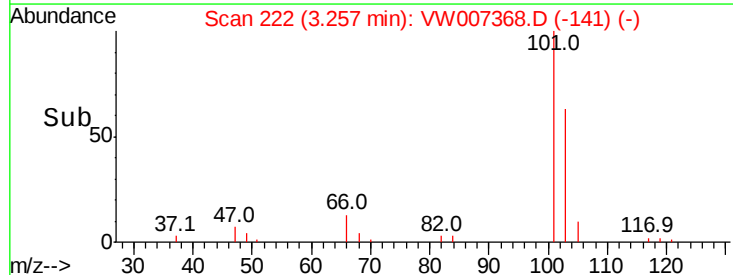
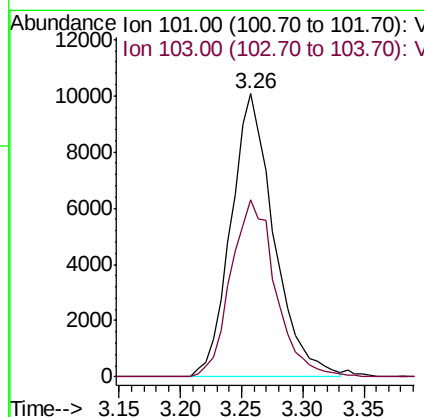
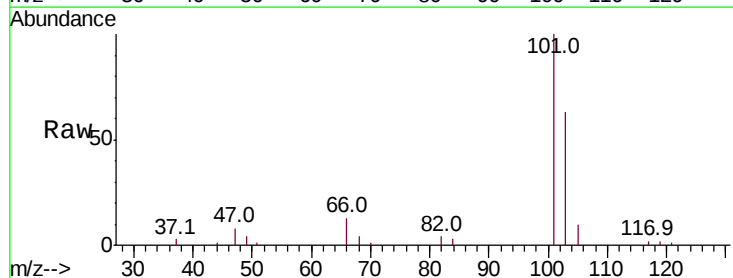
Instrument :
MSVOA_W
ClientSampleId :

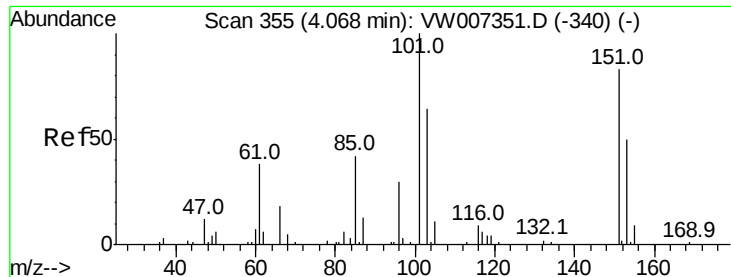
Tot Ion: 64 Resp: 15109
Ion Ratio Lower Upper
64 100
66 33.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 21.242 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion: 101 Resp: 24571
Ion Ratio Lower Upper
101 100
103 65.2 44.7 82.9





#11

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

Concen: 10.865 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

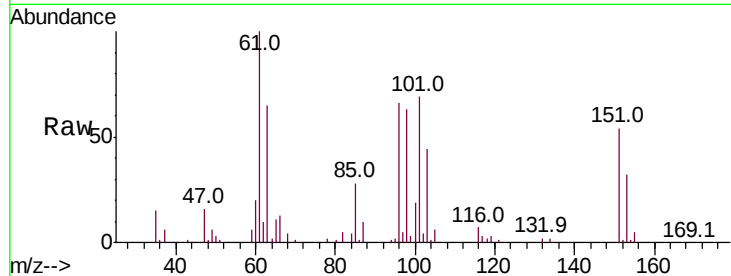
Tot Ion:101 Resp: 16754

Ion Ratio Lower Upper

101 100

85 108.8 35.4 53.2#

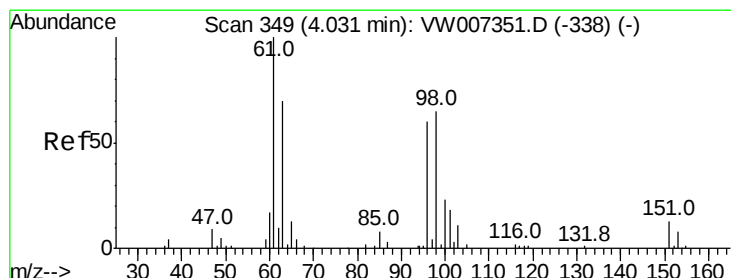
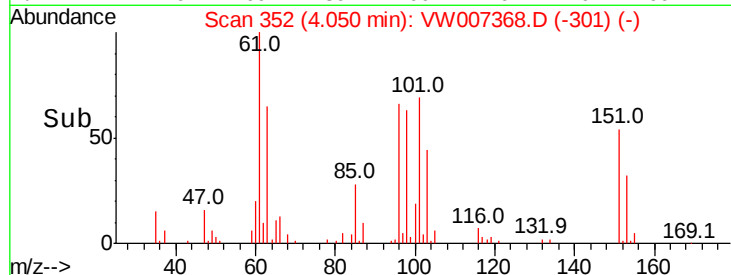
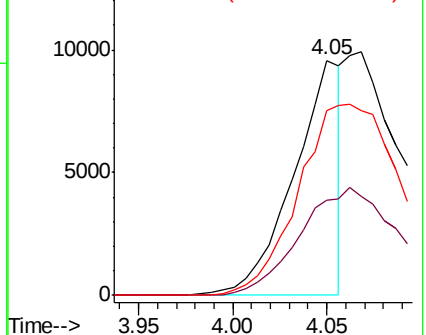
151 193.0 64.8 97.2#



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: 27.128 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

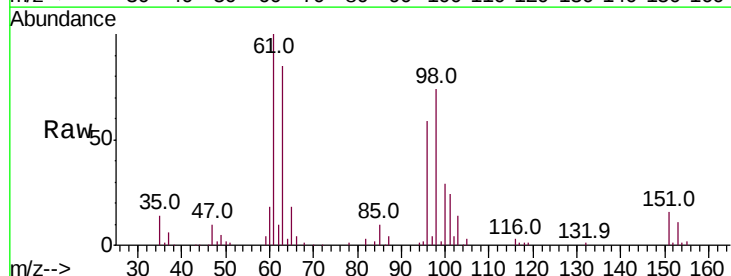
Tgt Ion: 96 Resp: 38923

Ion Ratio Lower Upper

96 100

61 169.9 117.2 217.8

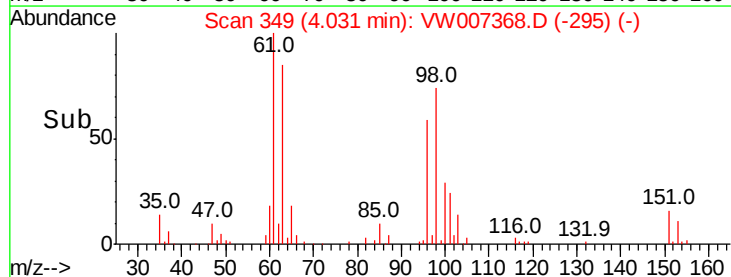
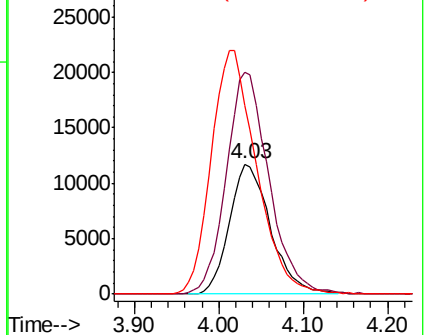
63 145.2 89.7 166.7

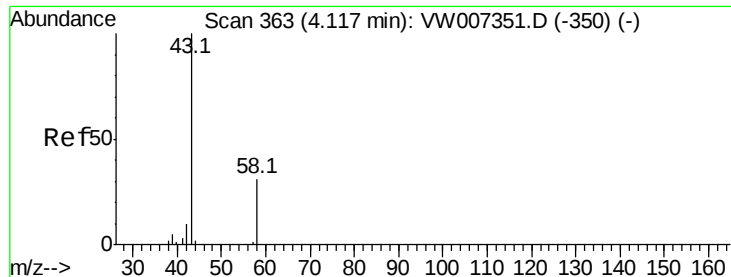


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.580 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

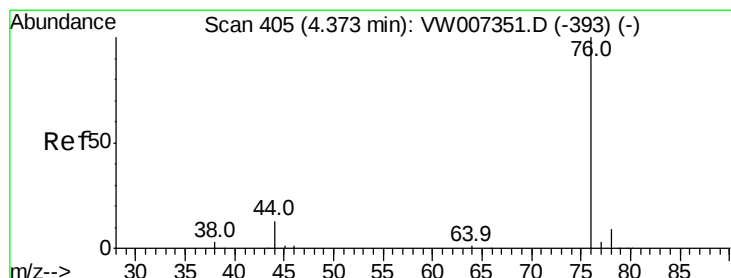
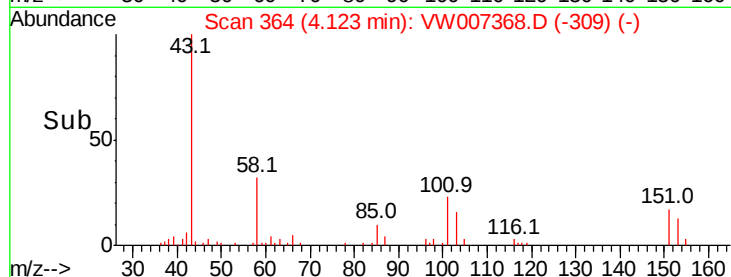
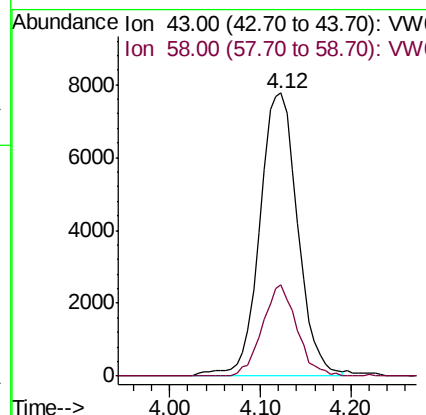
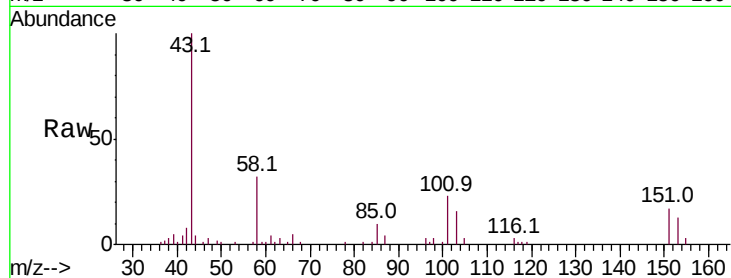
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 22503

Ion Ratio Lower Upper

43 100

58 29.2 0.0 59.2



#14

Carbon disulfide

Concen: 27.538 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007368.D

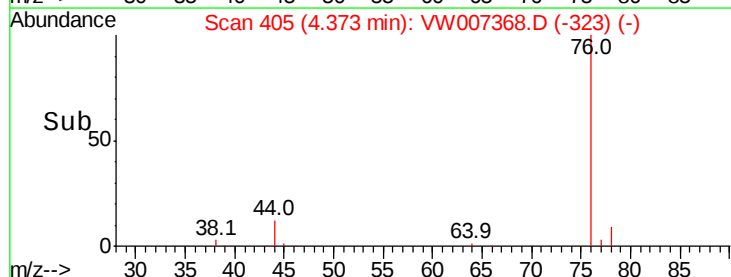
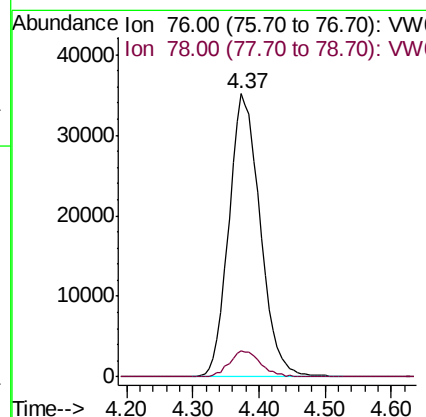
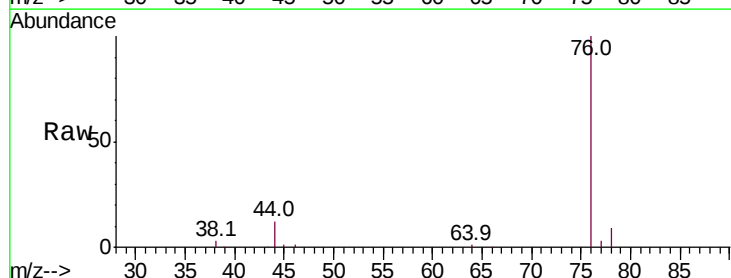
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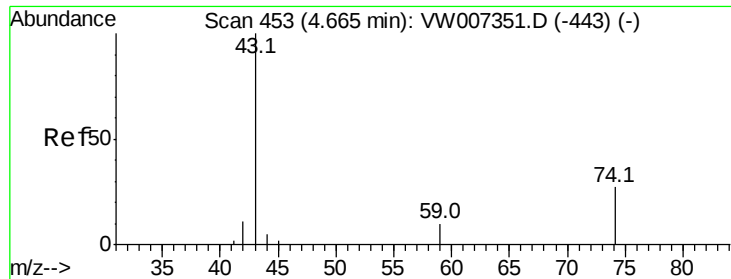
Tgt Ion: 76 Resp: 115366

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 22.950 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

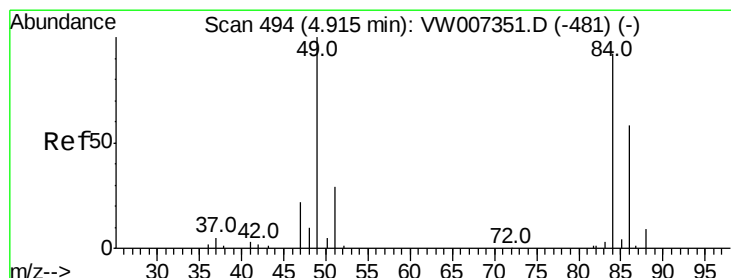
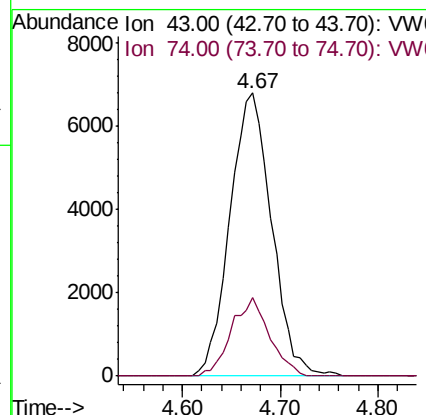
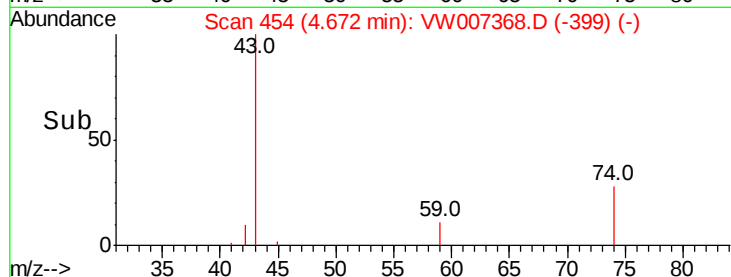
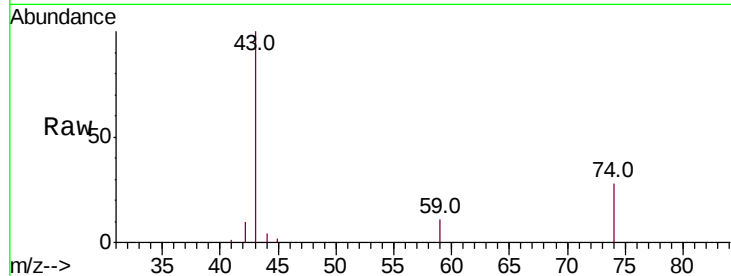
ClientSampleId :

Tot Ion: 43 Resp: 20073

Ion Ratio Lower Upper

43 100

74 16.2 0.1 0.1#



#16

Methylene chloride

Concen: 20.625 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

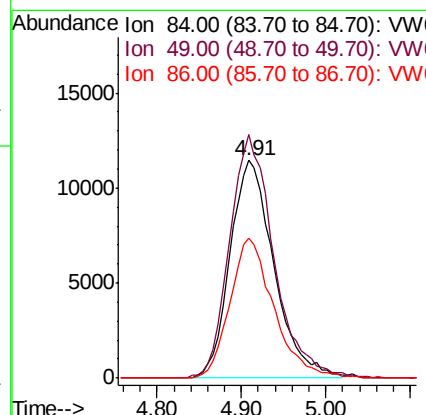
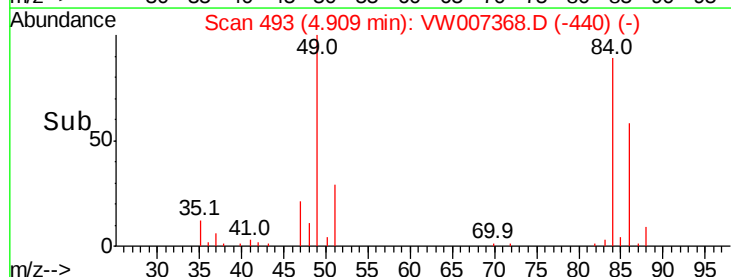
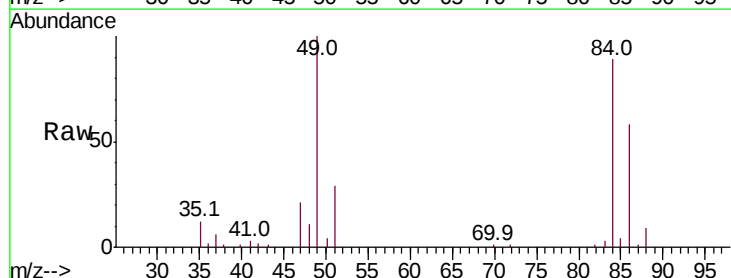
Tgt Ion: 84 Resp: 40716

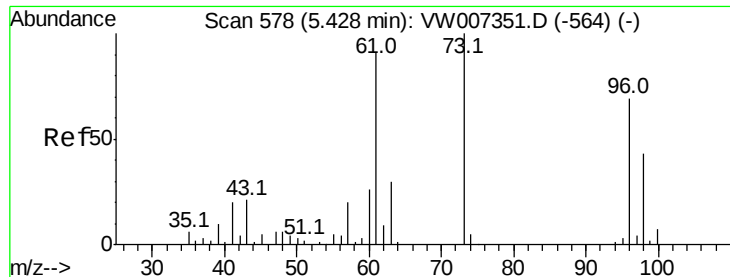
Ion Ratio Lower Upper

84 100

49 111.9 80.8 150.2

86 64.5 45.8 85.2

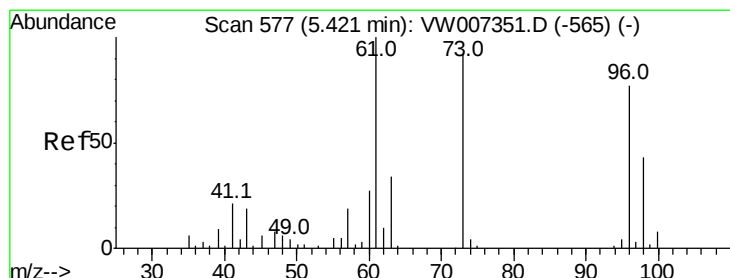
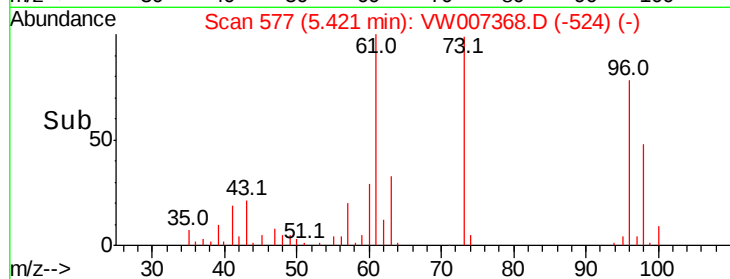
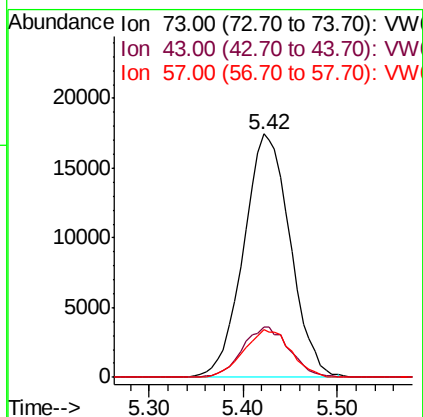
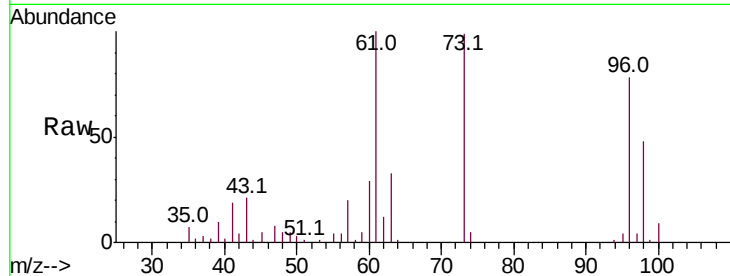




#17
Methvl tert-butvl Ether
Concen: 25.843 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

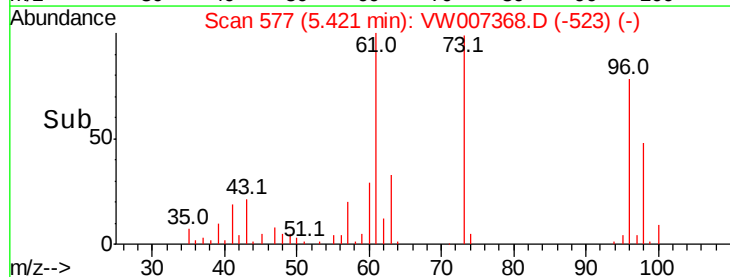
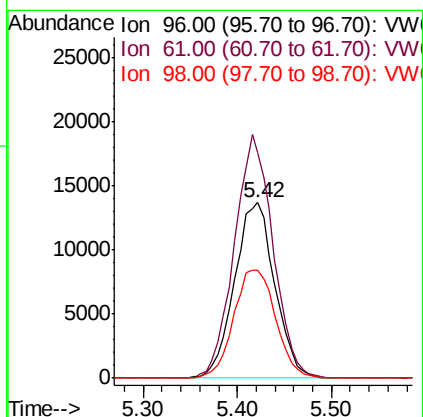
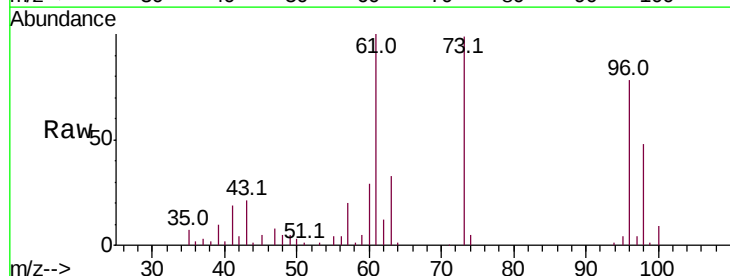
Instrument :
MSVOA_W
ClientSampleId :

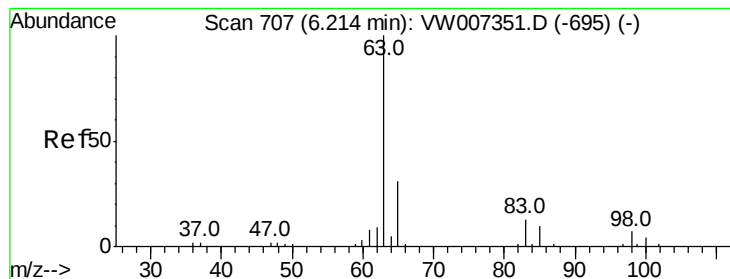
Tot Ion: 73 Resp: 60292
Ion Ratio Lower Upper
73 100
43 21.0 17.3 25.9
57 19.8 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 26.639 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion: 96 Resp: 41004
Ion Ratio Lower Upper
96 100
61 128.8 94.6 175.8
98 61.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 26.076 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

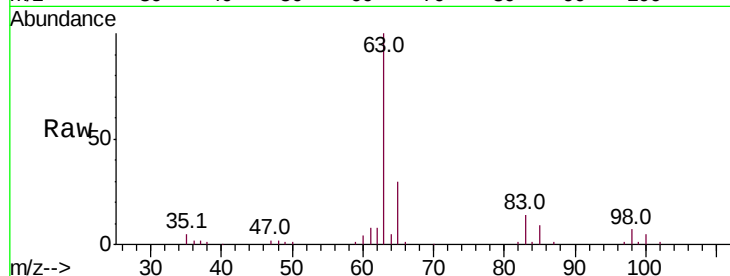
Tot Ion: 63 Resp: 68419

Ion Ratio Lower Upper

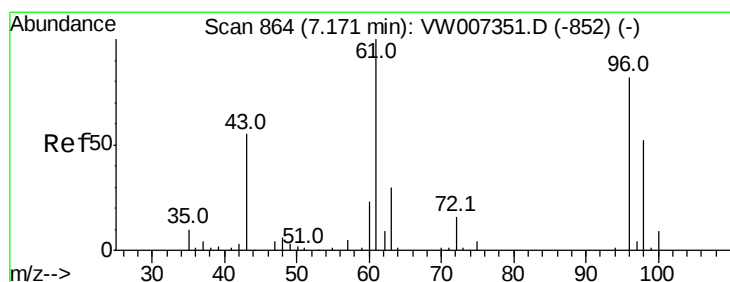
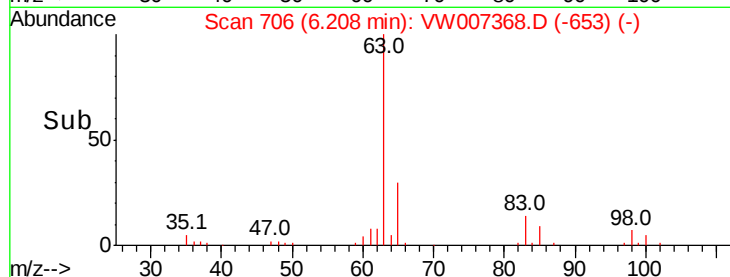
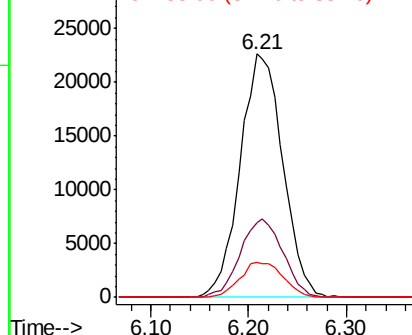
63 100

65 30.5 22.1 41.1

83 14.1 9.8 18.2



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: 44.499 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007368.D

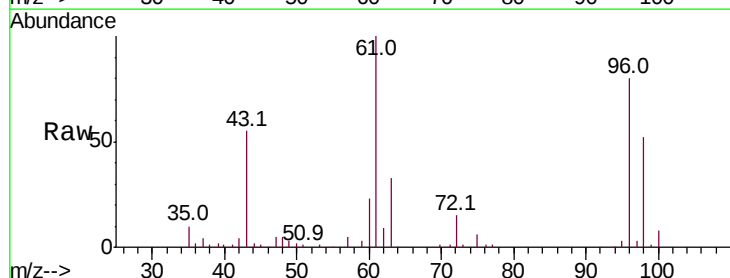
Acq: 10 Dec 2018 19:46

Tgt Ion: 43 Resp: 27897

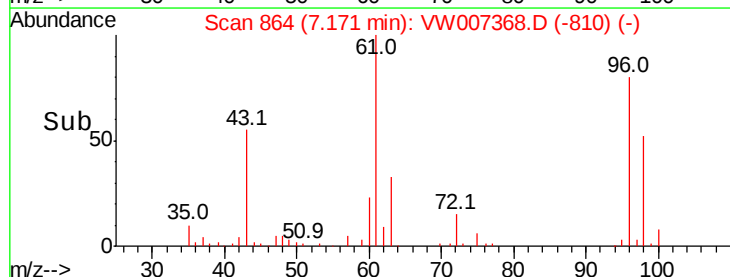
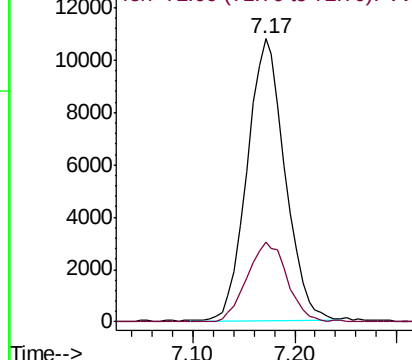
Ion Ratio Lower Upper

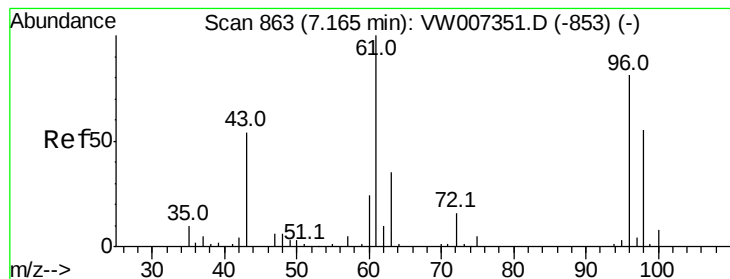
43 100

72 29.7 14.7 44.1



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



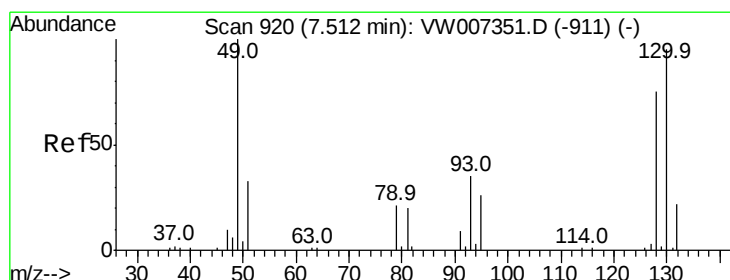
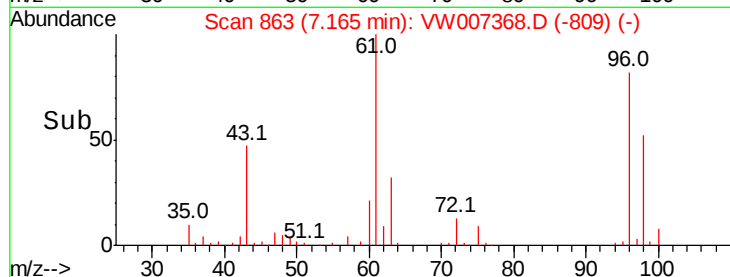
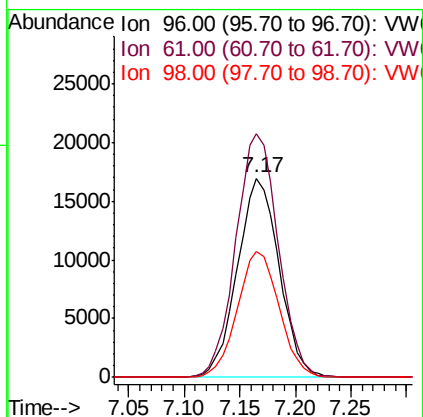
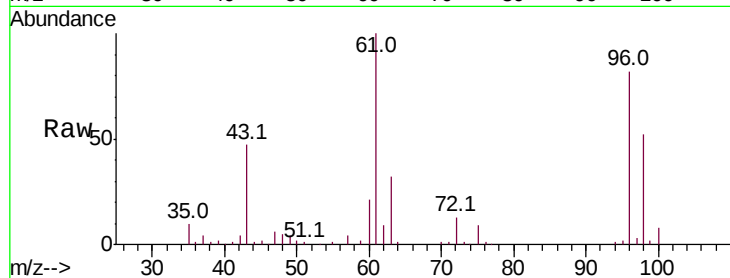


#22

cis-1,2-Dichloroethene
Concen: 26.129 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Instrument :
MSVOA_W
ClientSampled :

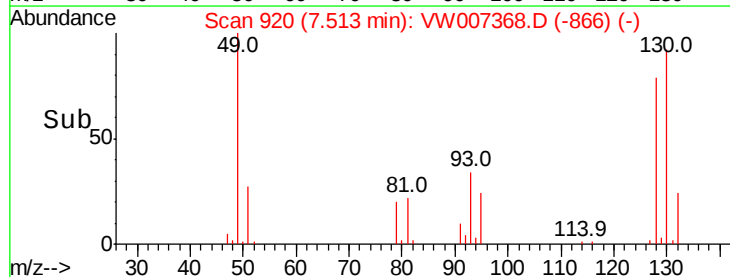
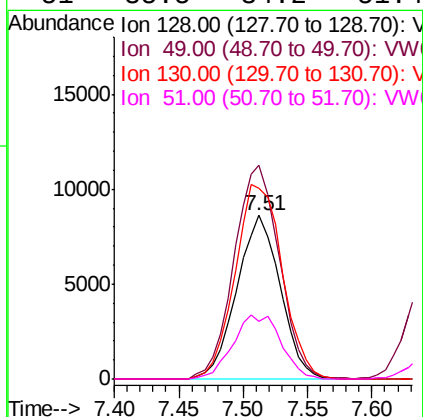
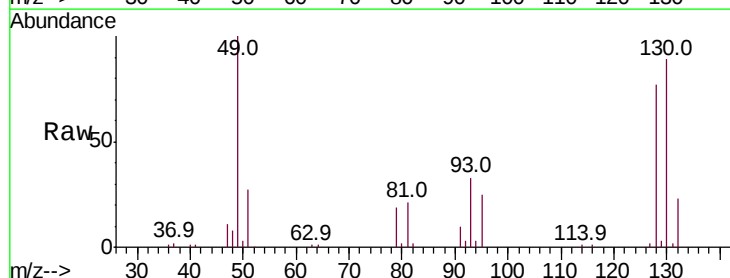
Tot Ion: 96 Resp: 44259
Ion Ratio Lower Upper
96 100
61 122.1 84.6 157.2
98 63.2 42.9 79.7

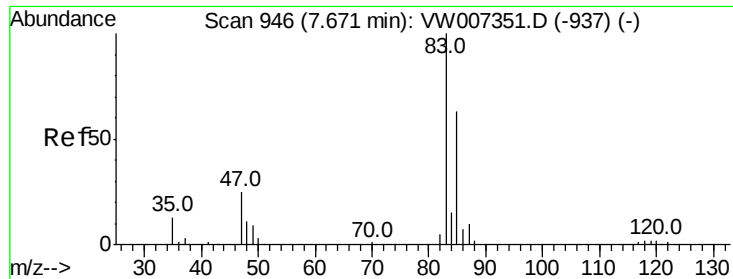


#23

Bromochloromethane
Concen: 26.156 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion:128 Resp: 20197
Ion Ratio Lower Upper
128 100
49 130.5 102.3 190.1
130 116.6 88.0 163.4
51 35.5 34.2 51.4

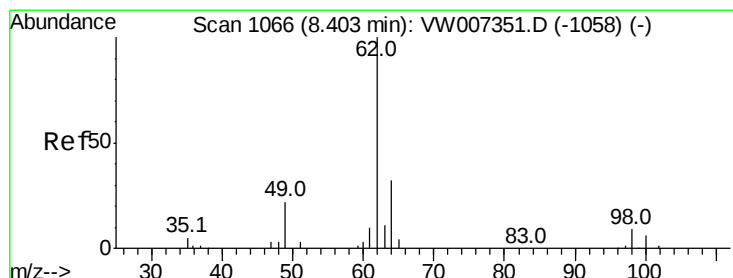
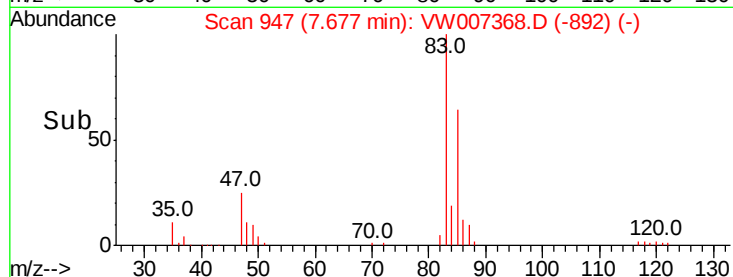
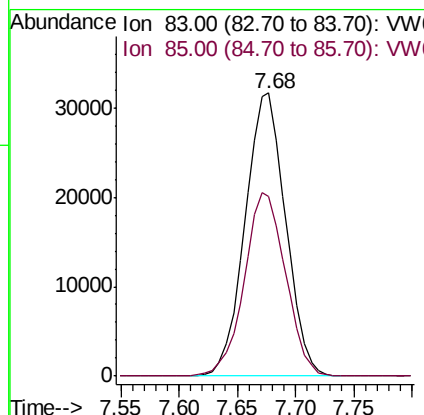
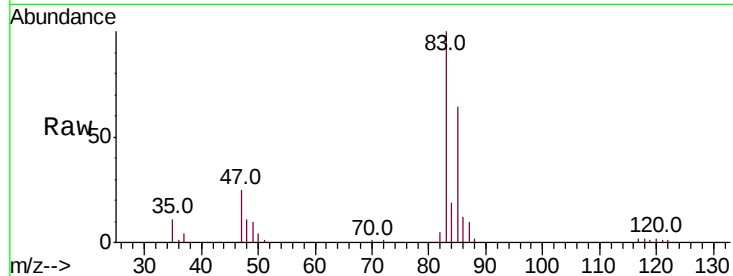




#25
Chloroform
Concen: 27.056 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

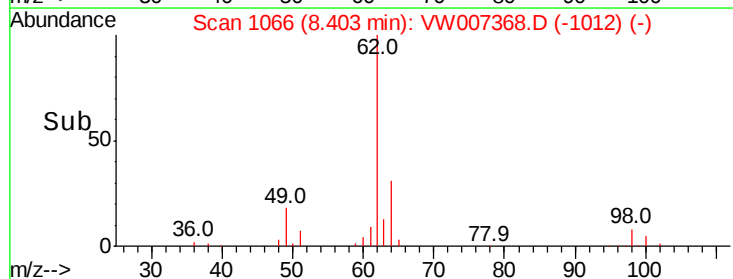
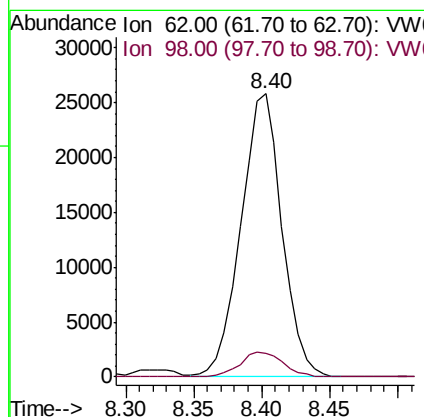
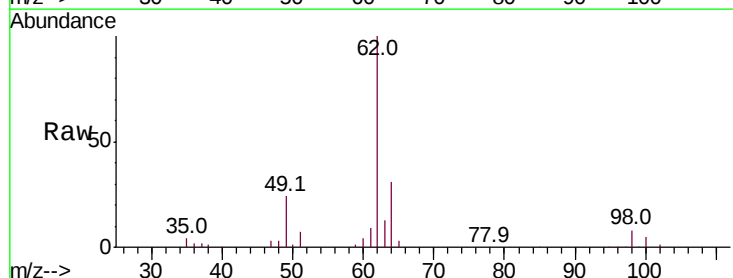
Instrument :
MSVOA_W
ClientSampleId :

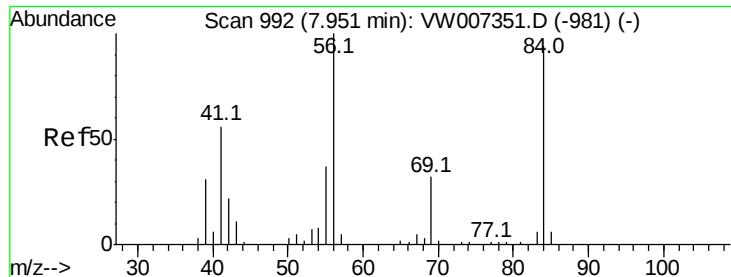
Tot Ion: 83 Resp: 76810
Ion Ratio Lower Upper
83 100
85 66.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.784 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion: 62 Resp: 54356
Ion Ratio Lower Upper
62 100
98 8.3 6.9 10.3

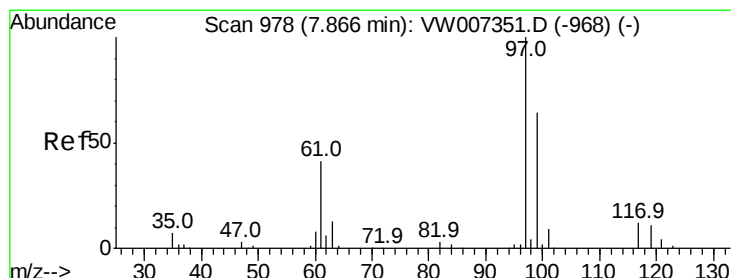
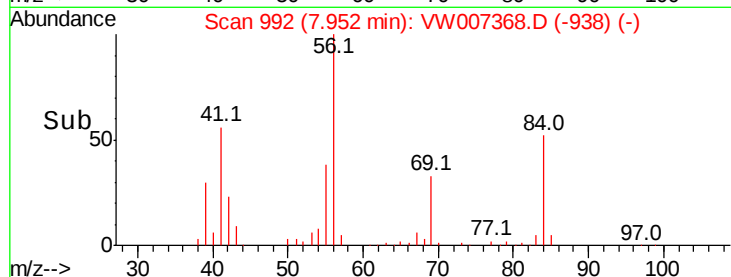
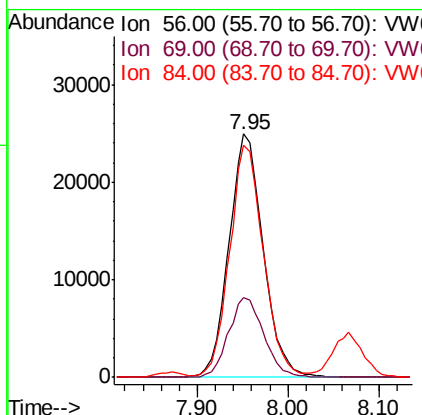
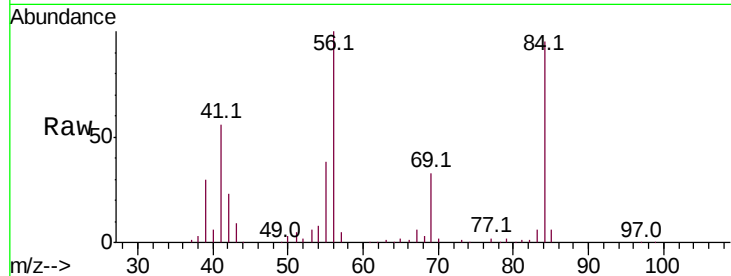




#30
Cyclohexane
Concen: 27.020 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

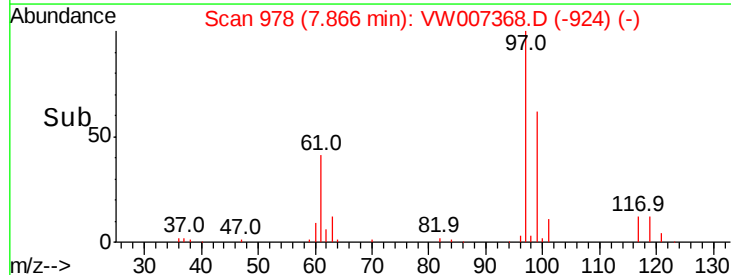
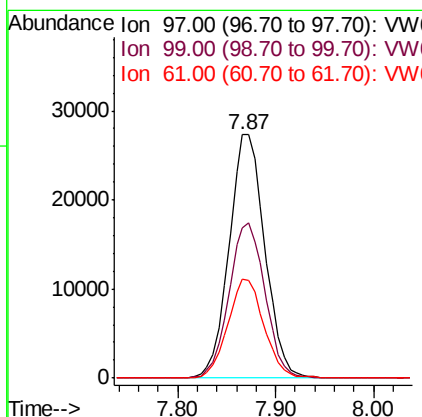
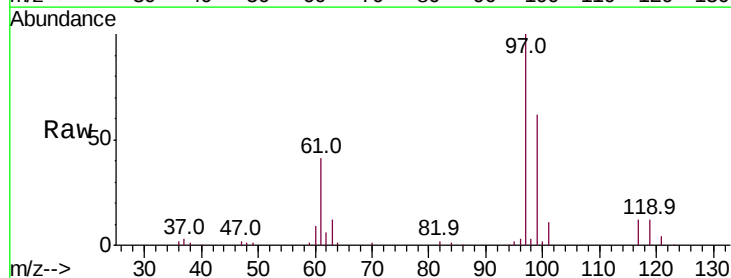
Instrument :
MSVOA_W
ClientSampled :

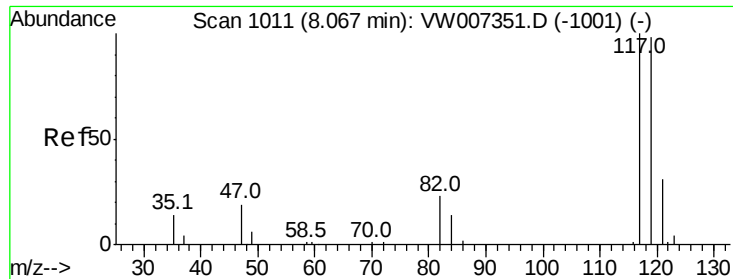
Tot Ion: 56 Resp: 65399
Ion Ratio Lower Upper
56 100
69 33.5 26.0 39.0
84 93.5 73.6 110.4



#31
1,1,1-Trichloroethane
Concen: 29.169 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion: 97 Resp: 69266
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 40.9 33.2 49.8





#32

Carbon tetrachloride

Concen: 29.233 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

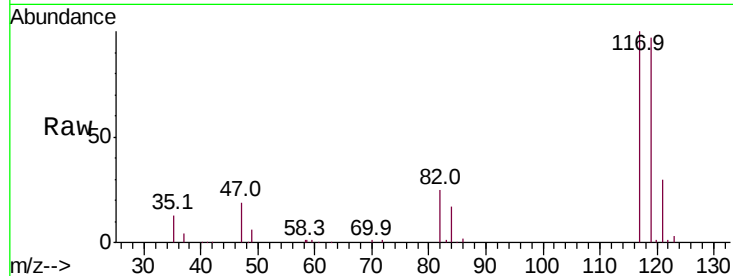
ClientSampled :

Tot Ion:117 Resp: 67082

Ion Ratio Lower Upper

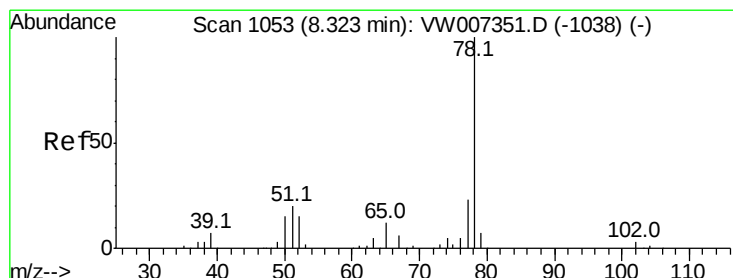
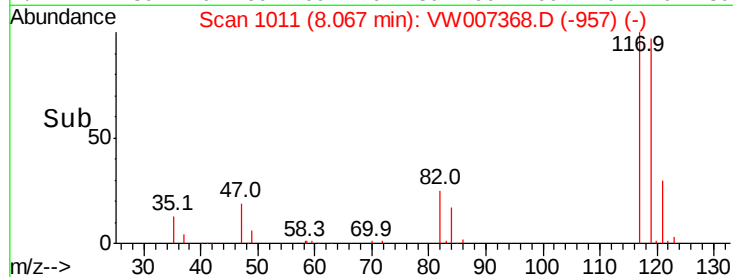
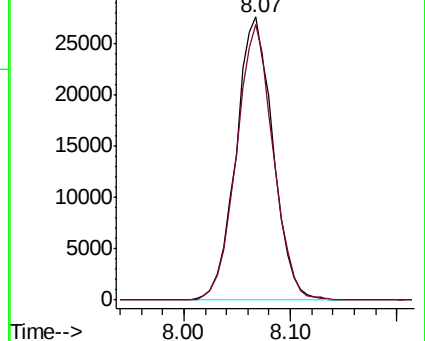
117 100

119 96.8 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.348 ug/L

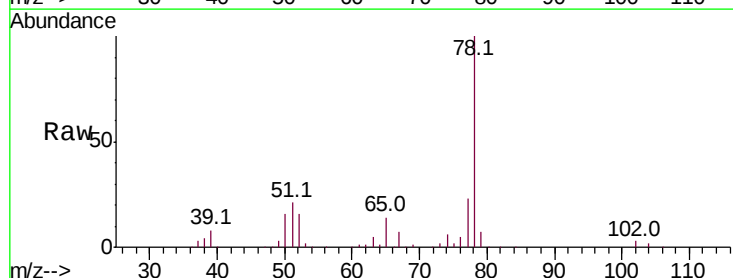
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

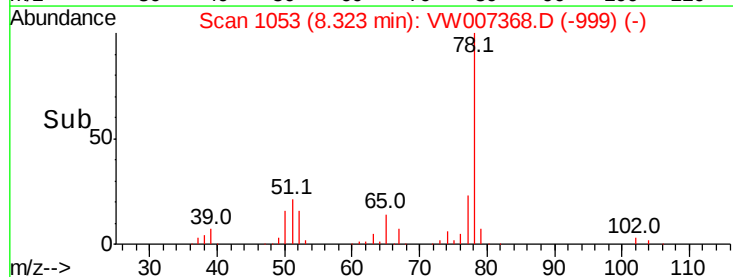
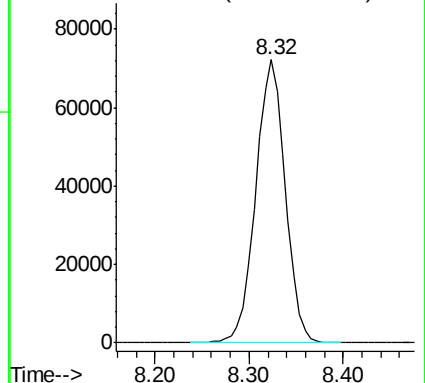
Lab File: VW007368.D

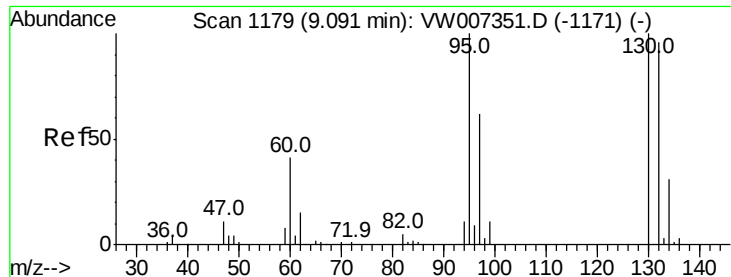
Acq: 10 Dec 2018 19:46

Tgt Ion: 78 Resp: 158155



Abundance Ion 78.00 (77.70 to 78.70): VW

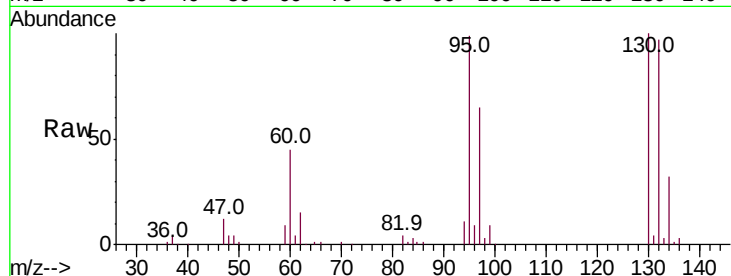




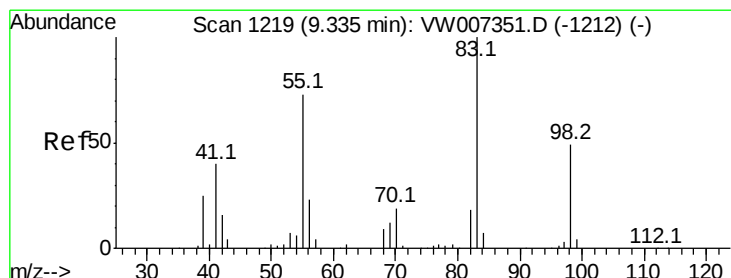
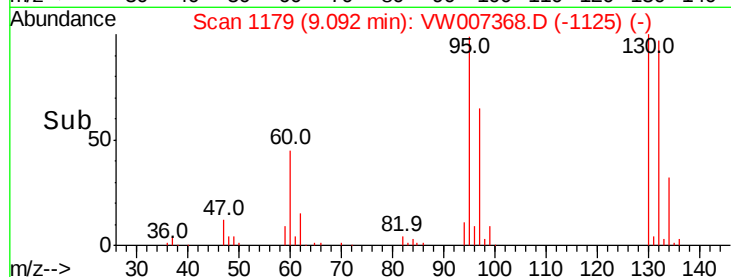
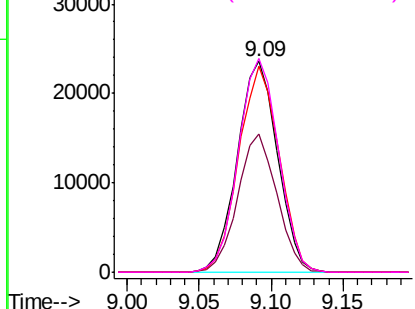
#35
 Trichloroethene
 Concen: 27.571 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 45721
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.8 85.0
 132 98.2 68.0 126.4
 130 101.4 71.6 133.0

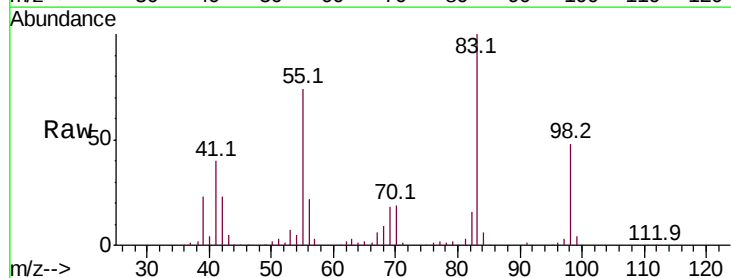


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

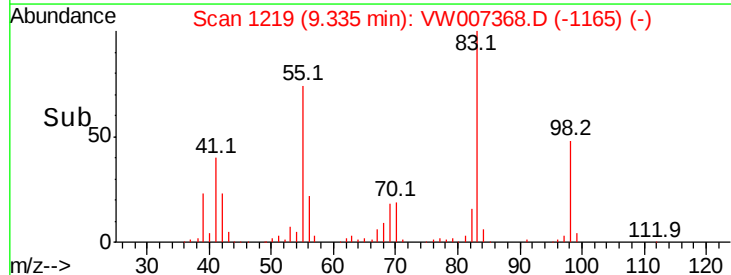
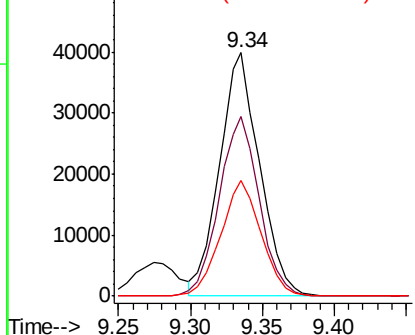


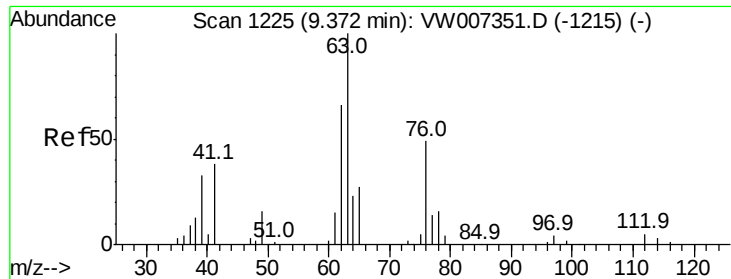
#36
 Methylcyclohexane
 Concen: 27.036 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

Tgt Ion: 83 Resp: 77395
 Ion Ratio Lower Upper
 83 100
 55 73.7 59.4 89.2
 98 48.0 38.1 57.1



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

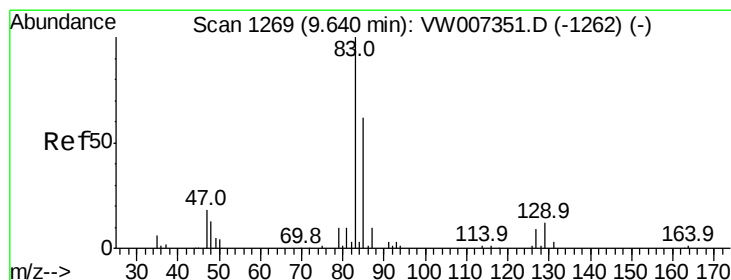
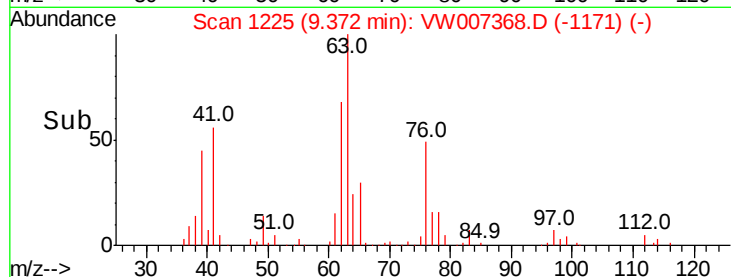
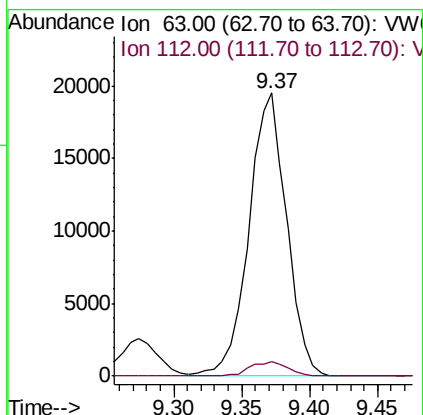
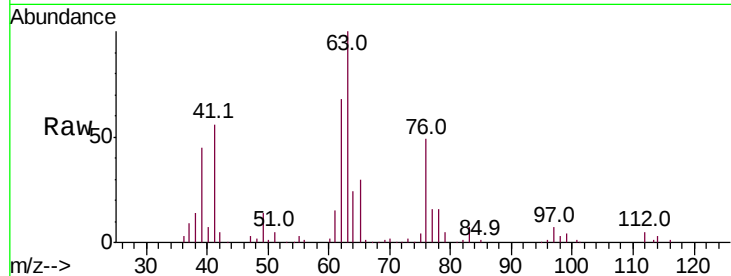




#40
 1,2-Dichloropropane
 Concen: 26.817 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

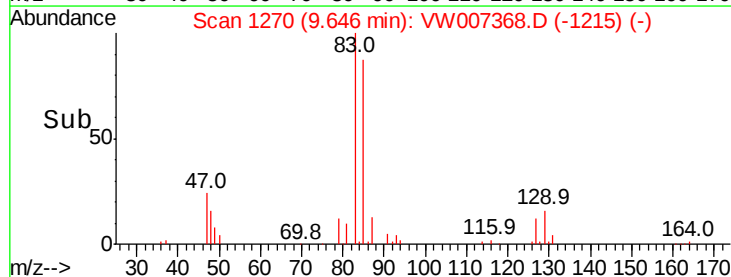
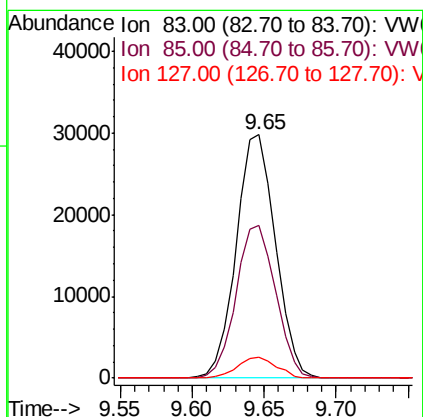
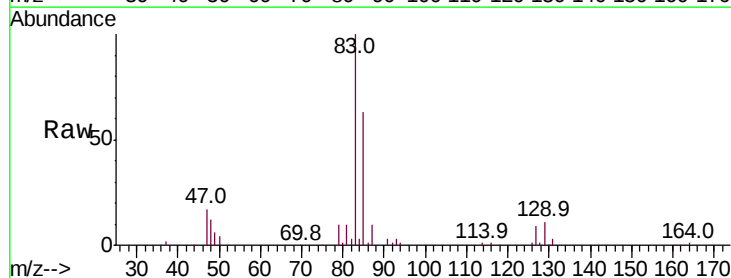
Instrument :
 MSVOA_W
 ClientSampled :

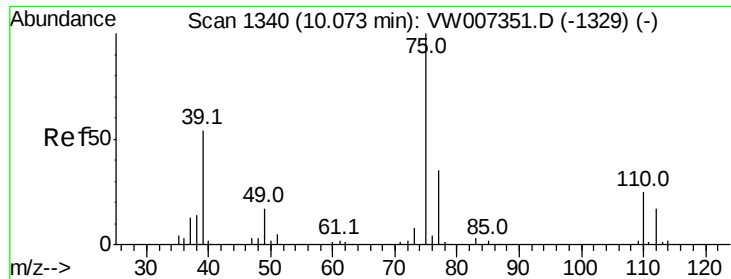
Tot Ion: 63 Resp: 37935
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.6 5.4



#41
 Bromodichloromethane
 Concen: 27.820 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

Tgt Ion: 83 Resp: 56508
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.9 83.5
 127 8.7 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 27.403 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

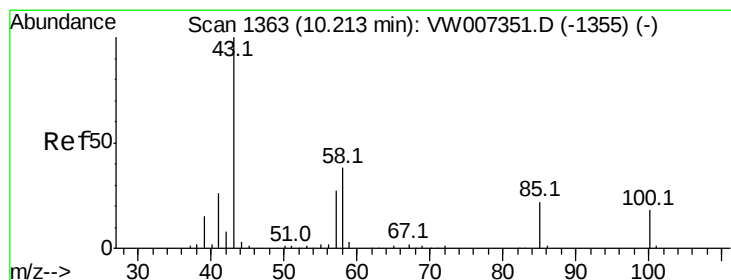
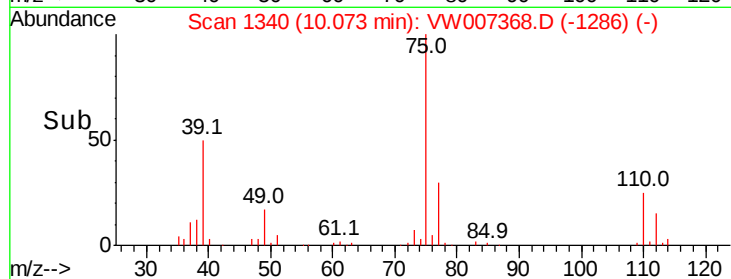
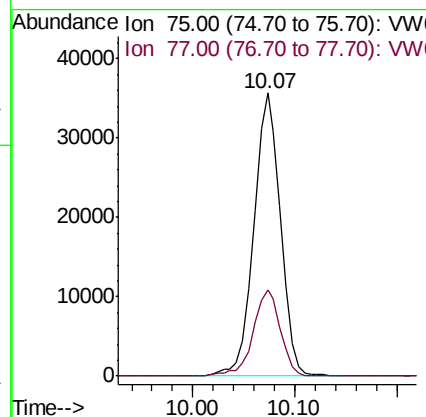
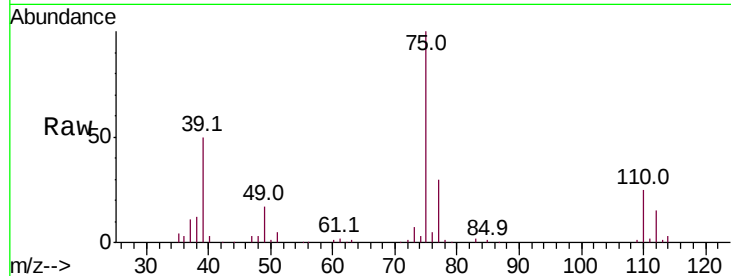
ClientSampled :

Tot Ion: 75 Resp: 65101

Ion Ratio Lower Upper

75 100

77 30.4 23.0 42.6



#43

4-Methyl-2-pentanone

Concen: 50.303 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

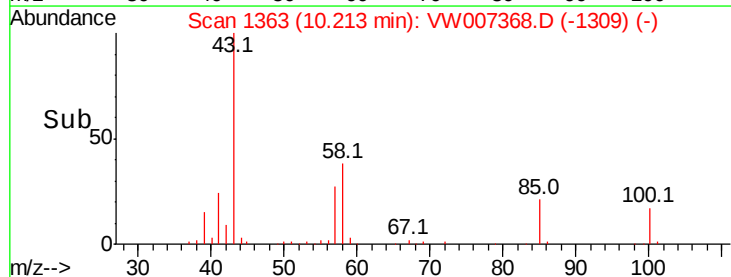
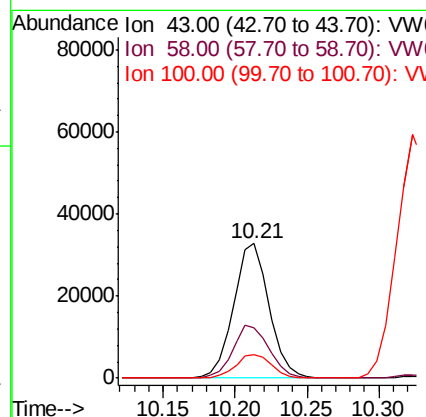
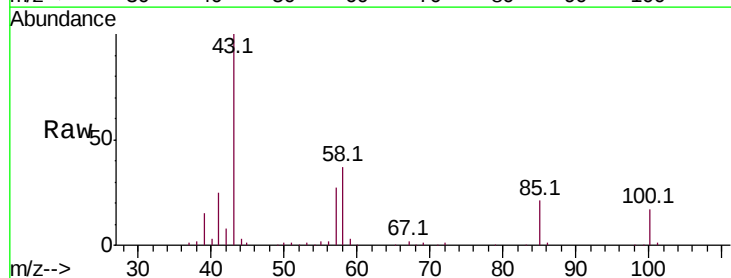
Tgt Ion: 43 Resp: 56323

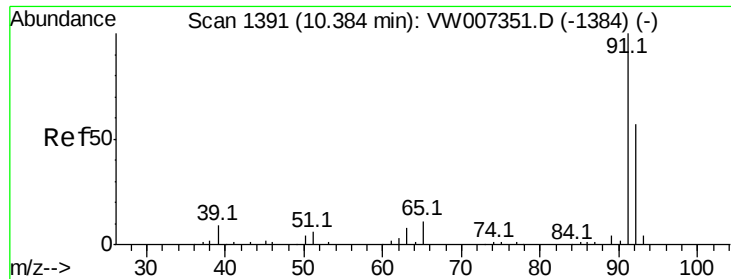
Ion Ratio Lower Upper

43 100

58 40.4 32.6 48.8

100 17.7 13.8 20.8





#44

Toluene

Concen: 28.373 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

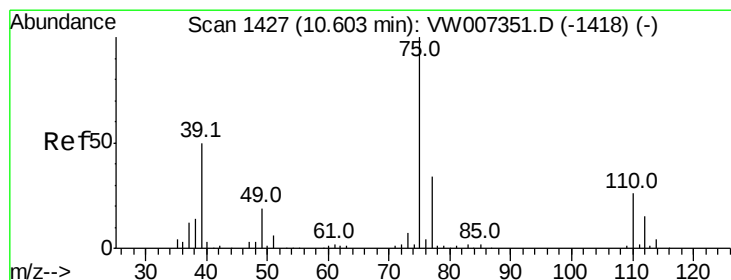
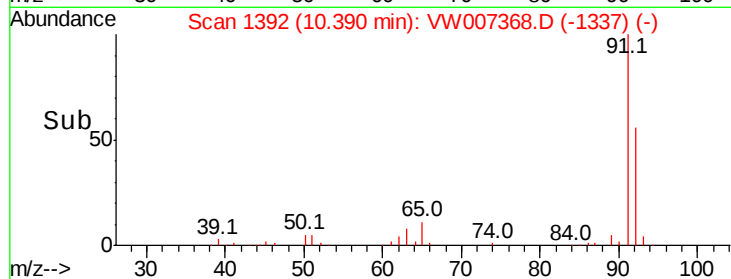
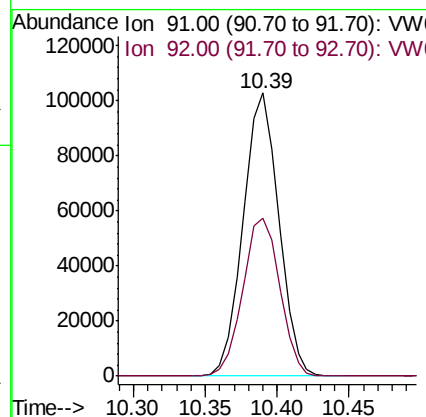
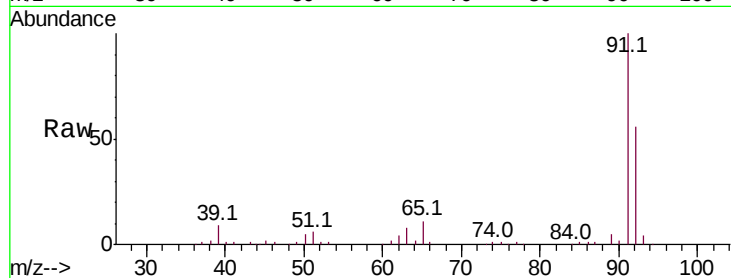
ClientSampled :

Tot Ion: 91 Resp: 176857

Ion Ratio Lower Upper

91 100

92 55.6 38.2 71.0



#45

trans-1,3-Dichloropropene

Concen: 27.567 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007368.D

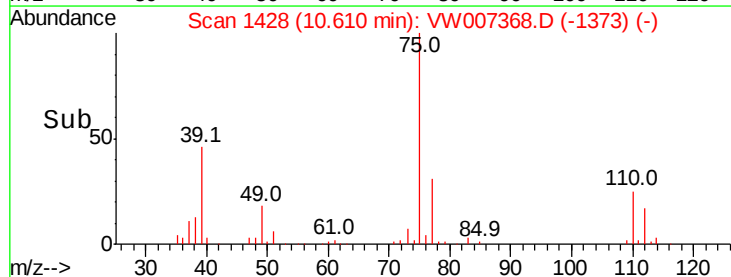
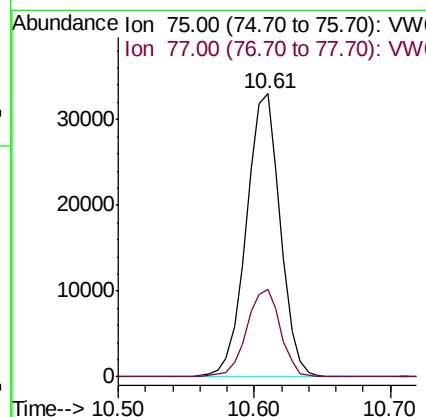
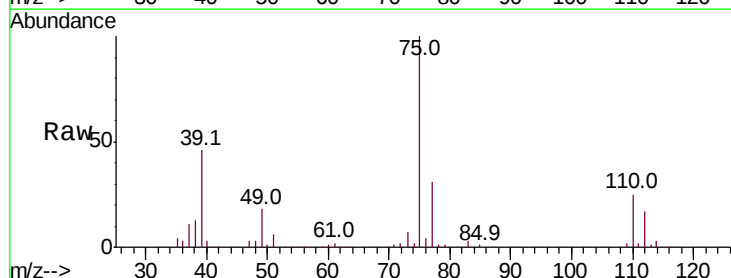
Acq: 10 Dec 2018 19:46

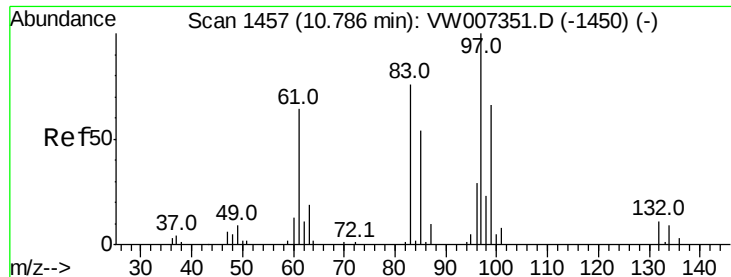
Tgt Ion: 75 Resp: 57513

Ion Ratio Lower Upper

75 100

77 31.1 22.6 42.0

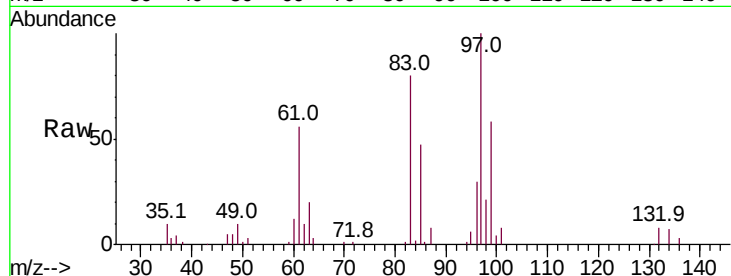




#46
1,1,2-Trichloroethane
Concen: 27.914 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	97	Resp:	32514
Ion	Ratio	Lower	Upper
97	100		
83	80.0	61.2	113.8
85	46.8	42.5	78.9
99	58.0	45.7	84.9



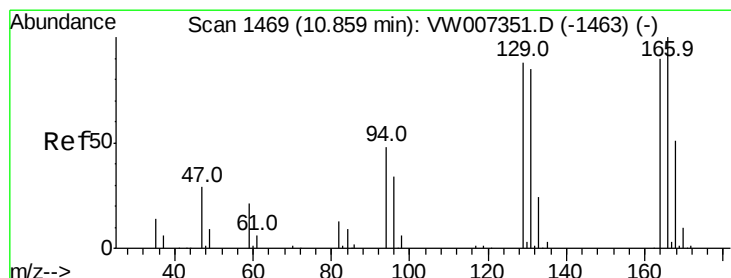
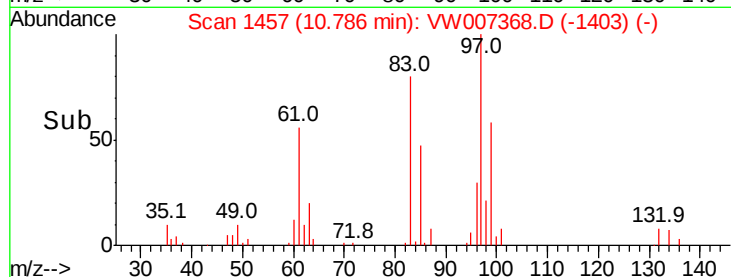
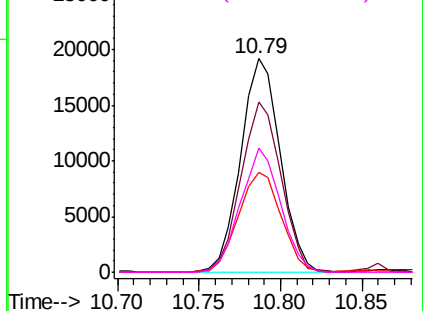
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

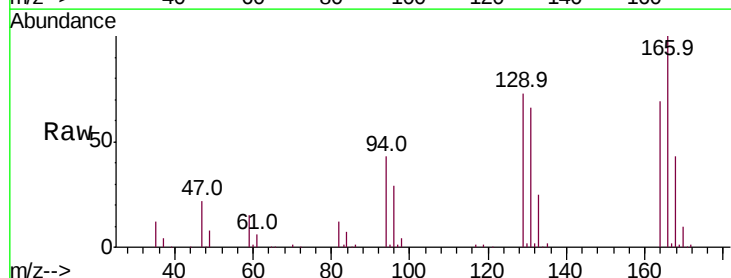
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 27.721 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion:	164	Resp:	34725
Ion	Ratio	Lower	Upper
164	100		
129	104.9	70.8	131.6
131	94.9	70.4	130.8
166	144.4	84.2	156.4



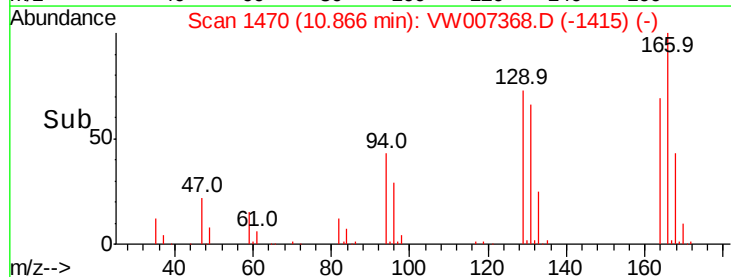
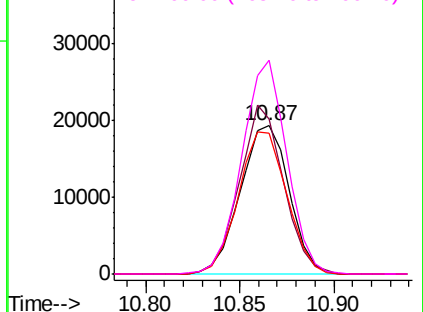
Abundance

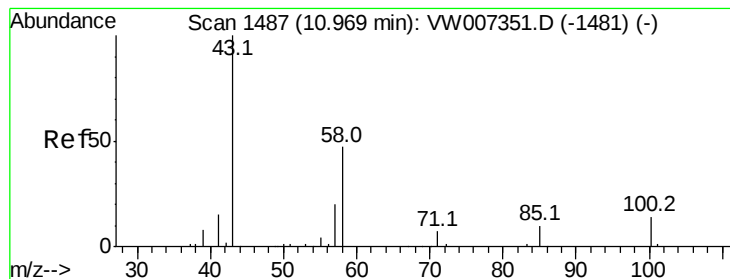
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 51.099 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 40212

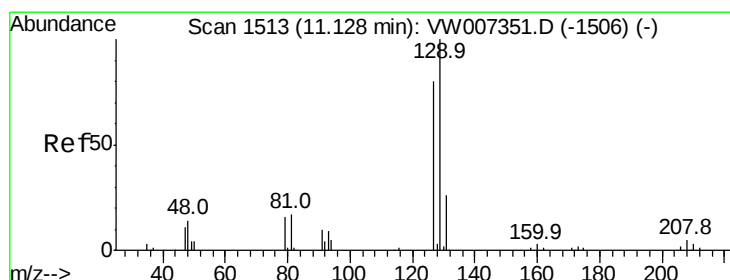
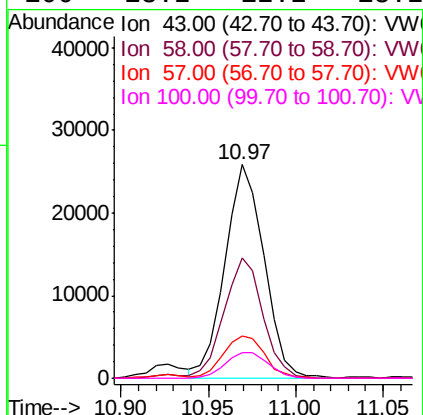
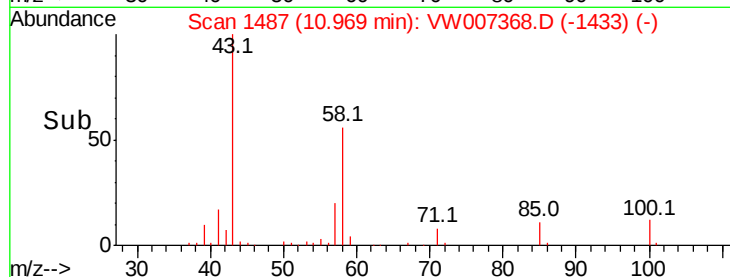
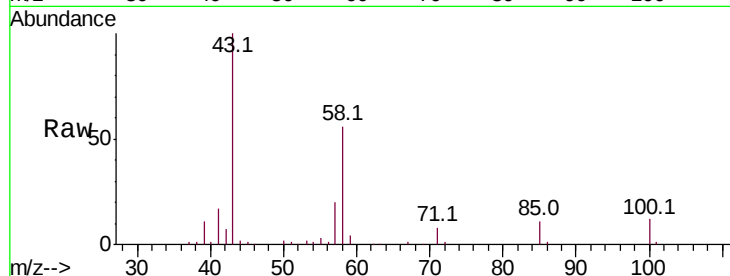
Ion Ratio Lower Upper

43 100

58 55.6 47.2 70.8

57 20.2 17.6 26.4

100 13.2 12.2 18.2



#50

Dibromochloromethane

Concen: 26.745 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007368.D

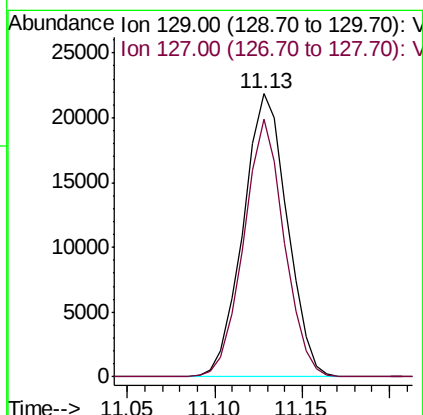
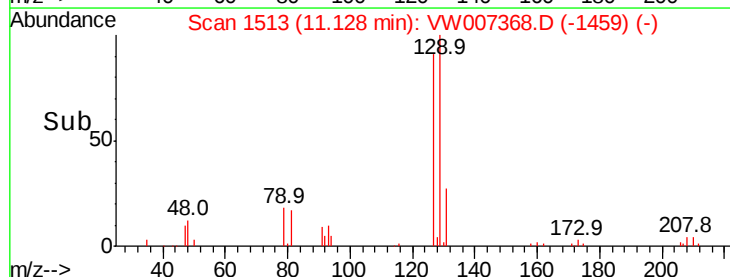
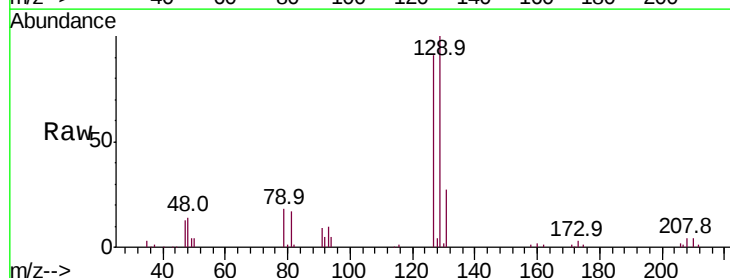
Acq: 10 Dec 2018 19:46

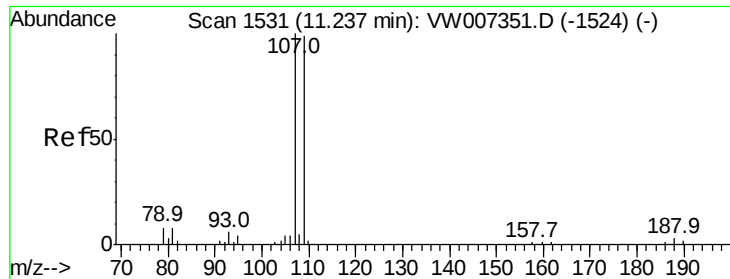
Tgt Ion: 129 Resp: 38271

Ion Ratio Lower Upper

129 100

127 91.2 53.8 100.0

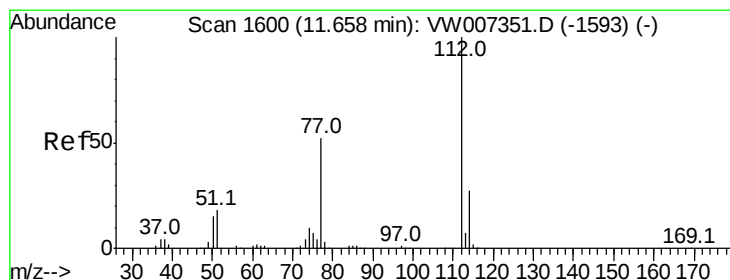
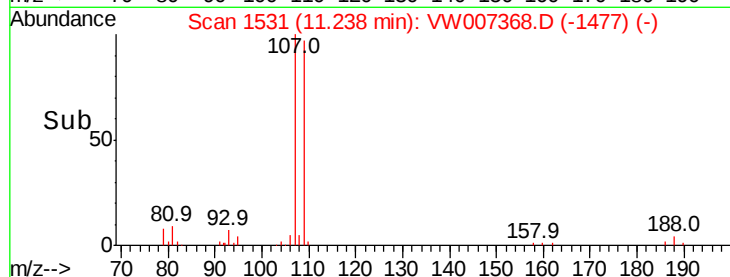
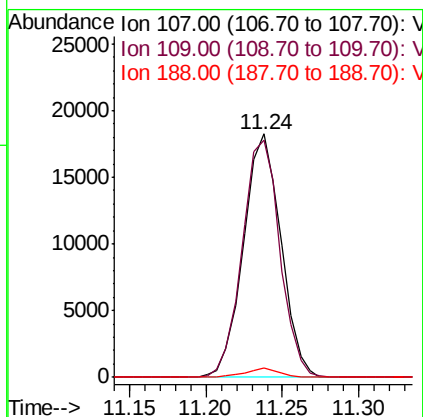
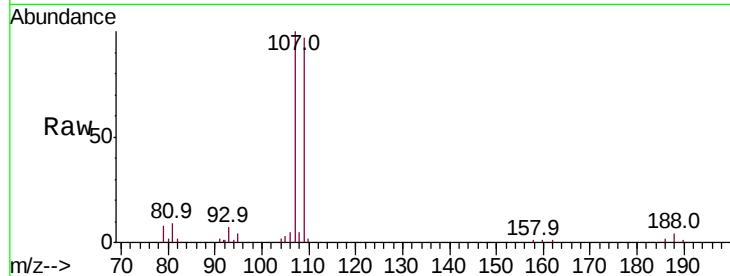




#51
 1,2-Dibromoethane
 Concen: 26.604 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

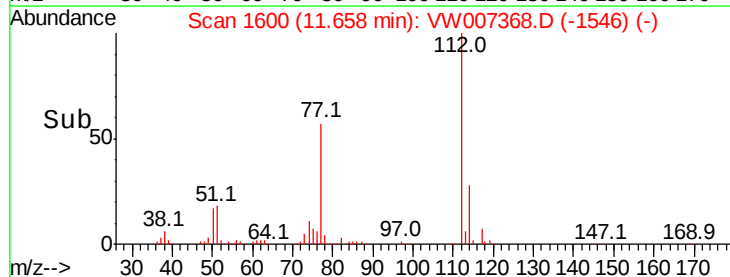
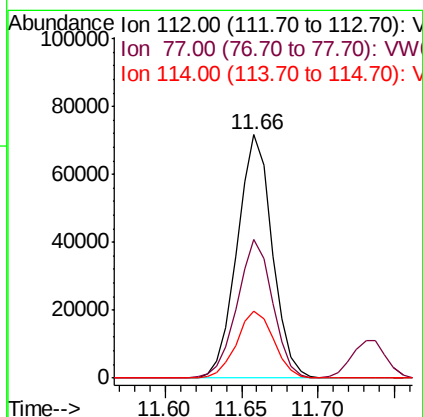
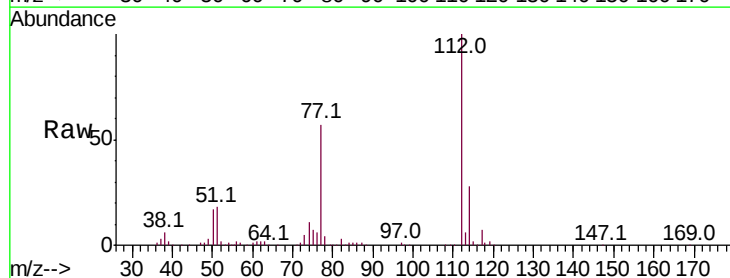
Instrument :
 MSVOA_W
 ClientSampleId :

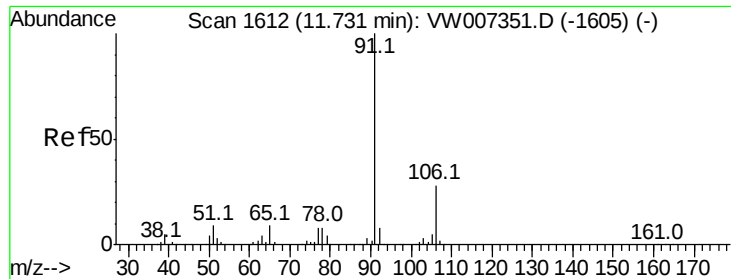
Tot Ion:107 Resp: 31122
 Ion Ratio Lower Upper
 107 100
 109 97.2 67.6 125.6
 188 3.8 2.6 4.0



#52
 Chlorobenzene
 Concen: 28.176 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

Tgt Ion:112 Resp: 113983
 Ion Ratio Lower Upper
 112 100
 77 56.8 42.6 63.8
 114 27.5 23.0 42.8

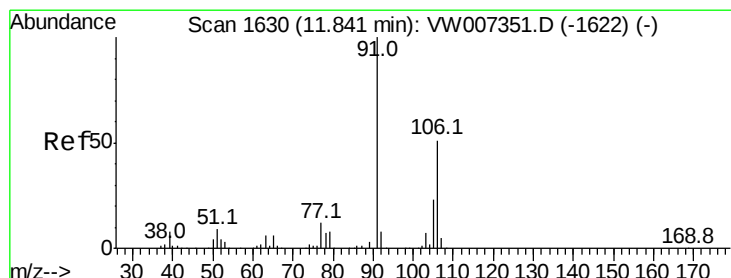
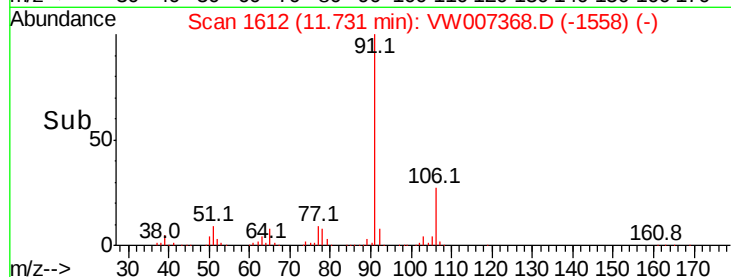
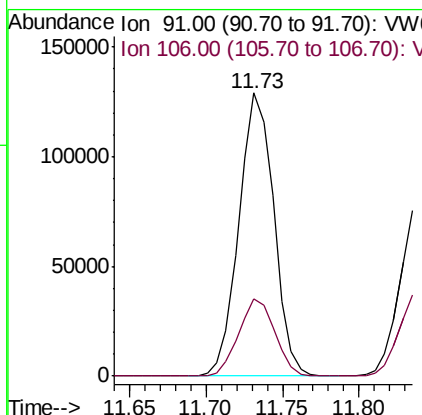
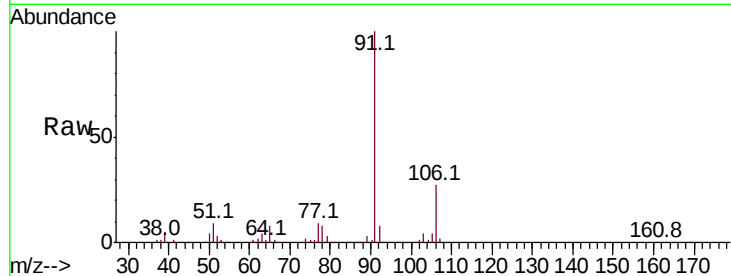




#53
Ethylbenzene
Concen: 29.197 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

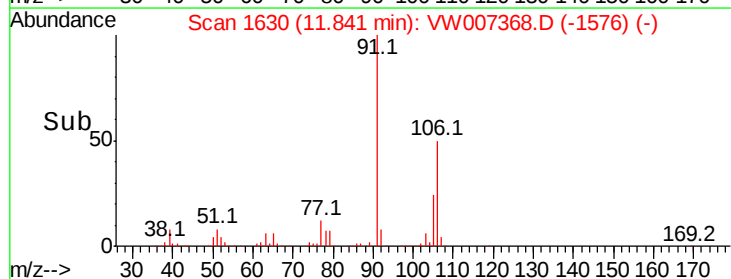
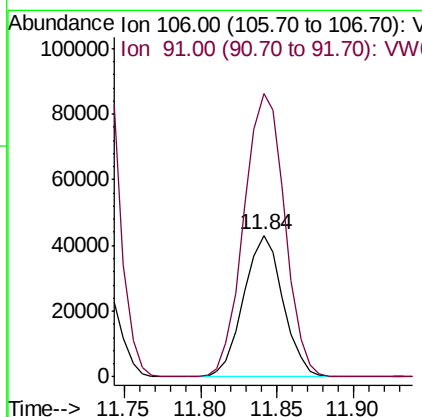
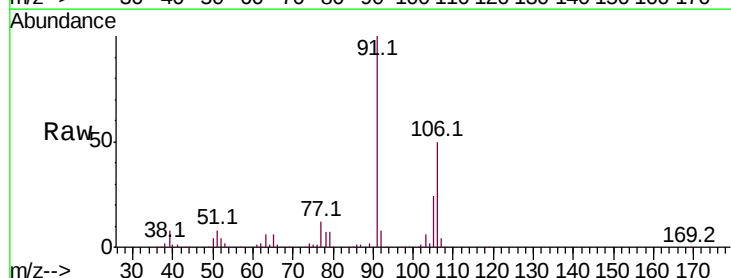
Instrument :
MSVOA_W
ClientSampled :

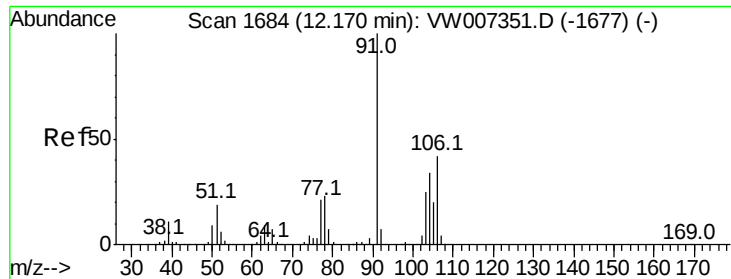
Tot Ion: 91 Resp: 204644
Ion Ratio Lower Upper
91 100
106 27.2 20.2 37.4



#54
m,p-Xylene
Concen: 28.897 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion: 106 Resp: 76939
Ion Ratio Lower Upper
106 100
91 200.2 132.2 245.6





#55

o-xylene

Concen: 28.103 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

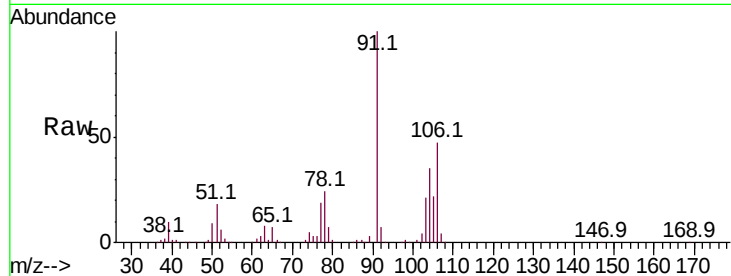
ClientSampled :

Tot Ion:106 Resp: 70712

Ion Ratio Lower Upper

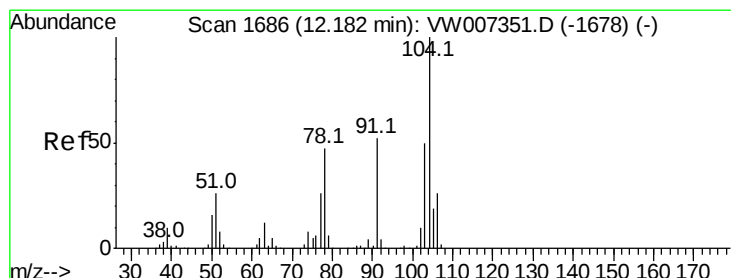
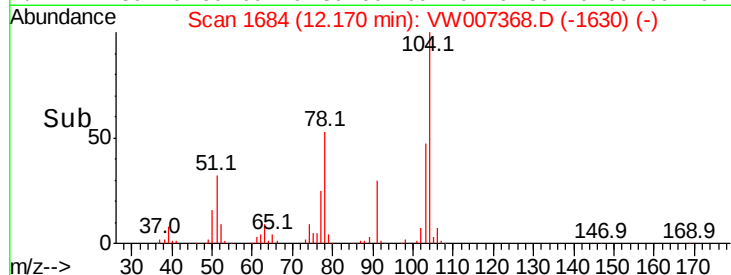
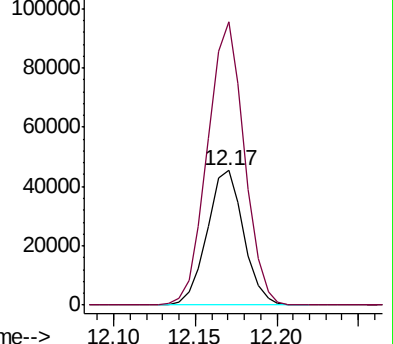
106 100

91 210.7 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 29.183 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW007368.D

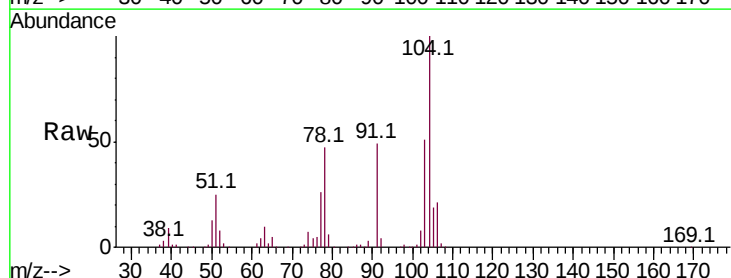
Acq: 10 Dec 2018 19:46

Tgt Ion:104 Resp: 125868

Ion Ratio Lower Upper

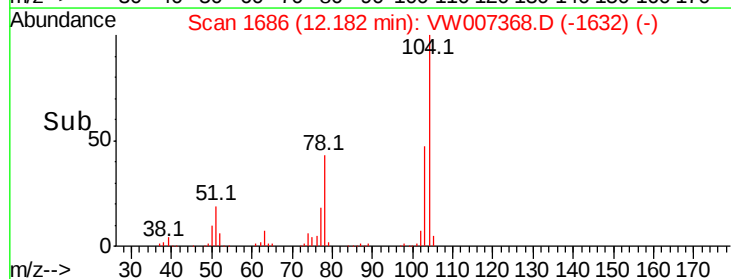
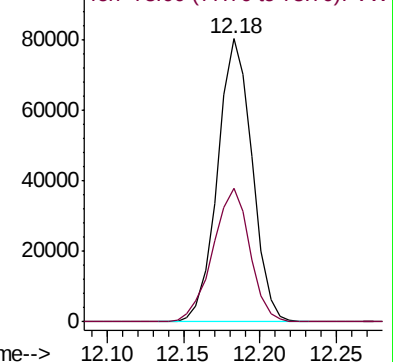
104 100

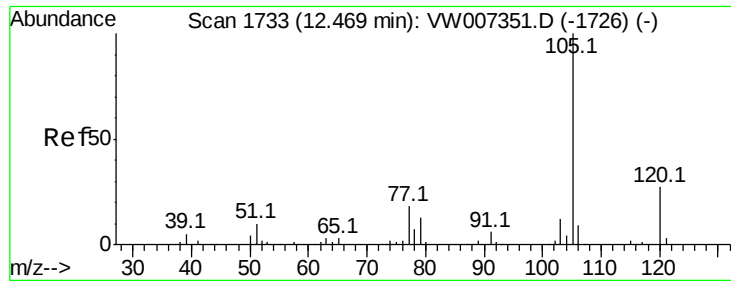
78 47.2 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.049 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

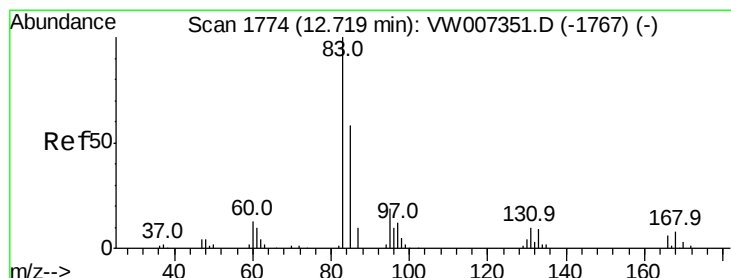
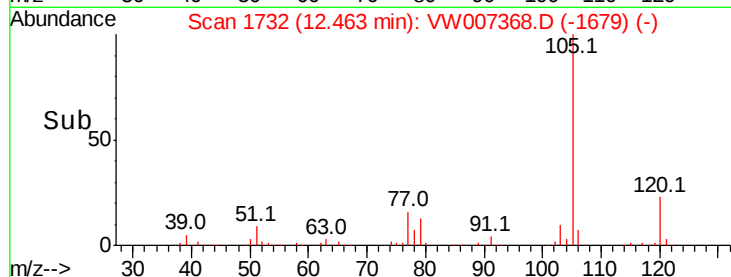
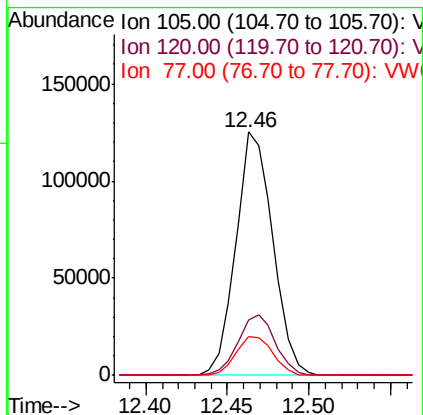
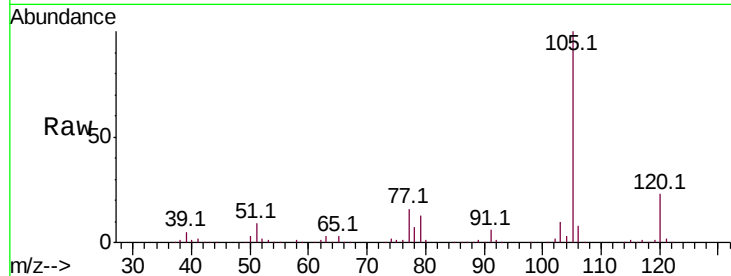
Tot Ion:105 Resp: 196978

Ion Ratio Lower Upper

105 100

120 25.2 20.6 30.8

77 16.3 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 24.903 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

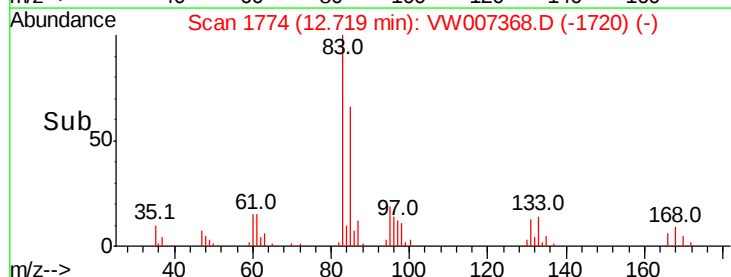
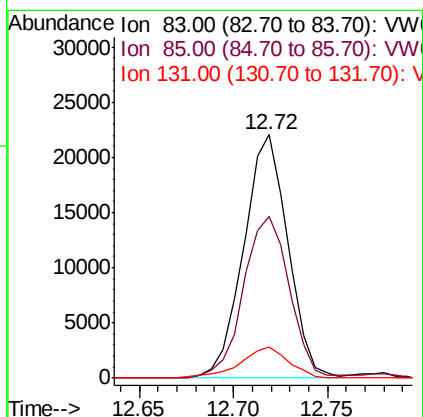
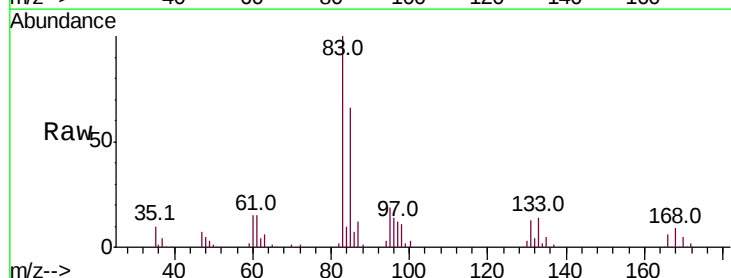
Tgt Ion: 83 Resp: 35960

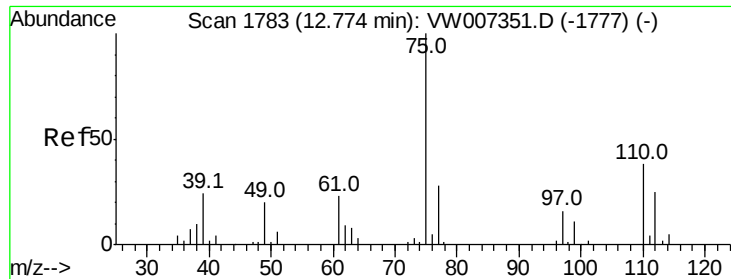
Ion Ratio Lower Upper

83 100

85 66.2 46.2 85.8

131 12.7 7.8 11.6#





#59

1,2,3-Trichloropropane

Concen: 26.031 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

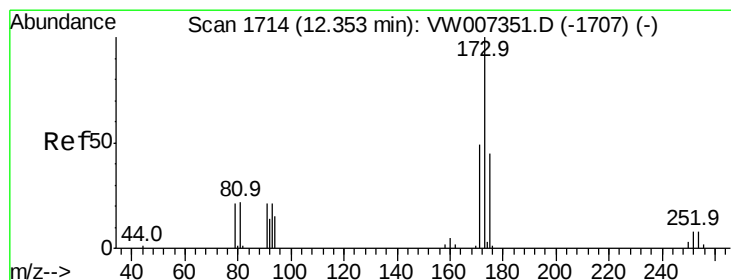
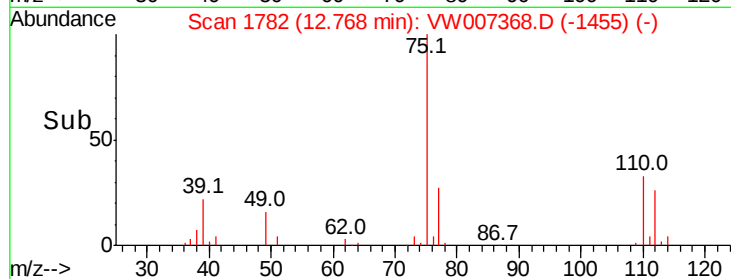
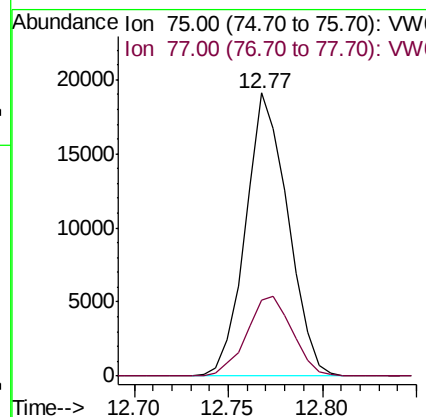
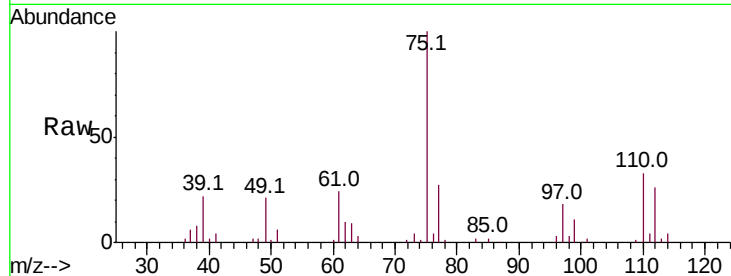
ClientSampleId :

Tot Ion: 75 Resp: 29754

Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7



#62

Bromoform

Concen: 26.011 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

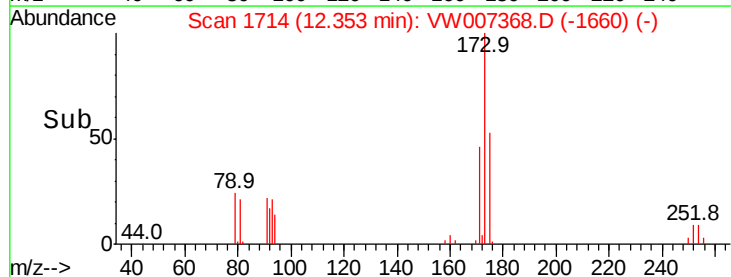
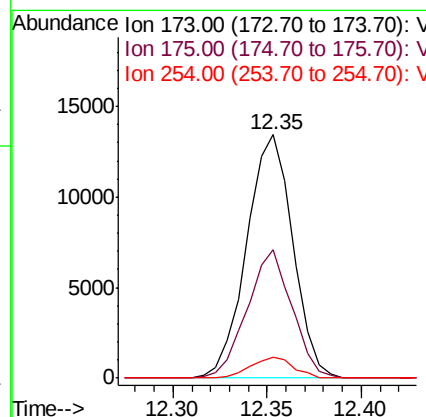
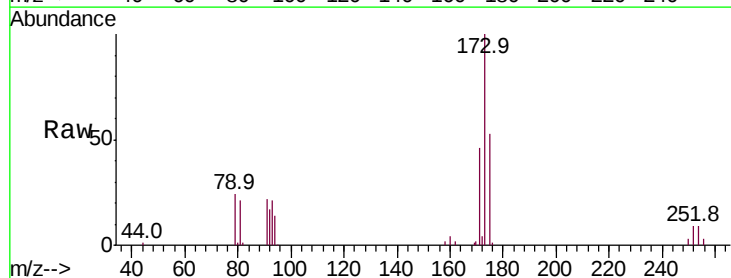
Tgt Ion:173 Resp: 22840

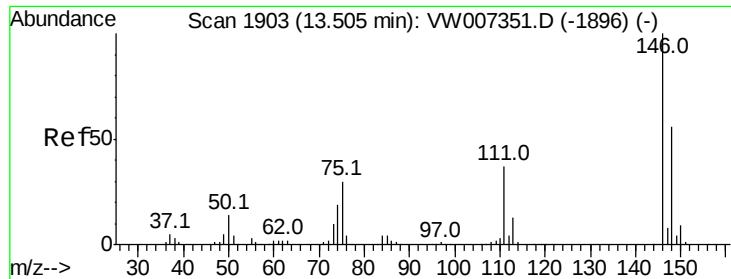
Ion Ratio Lower Upper

173 100

175 51.0 38.6 58.0

254 7.8 6.4 9.6

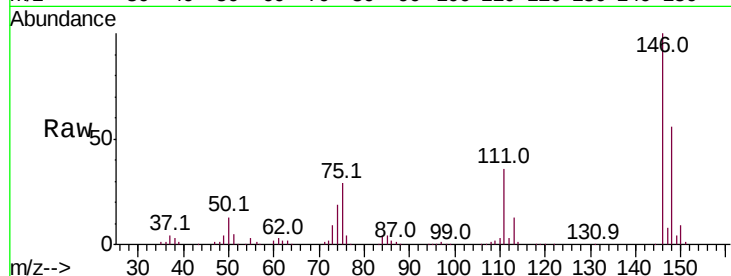




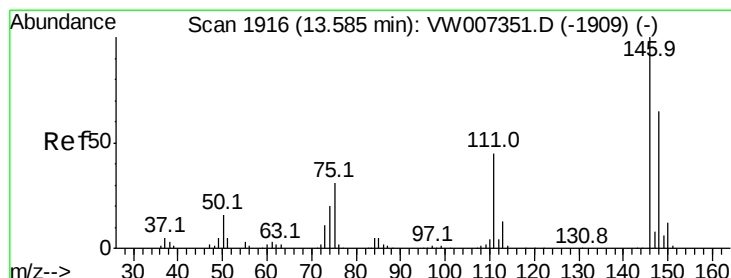
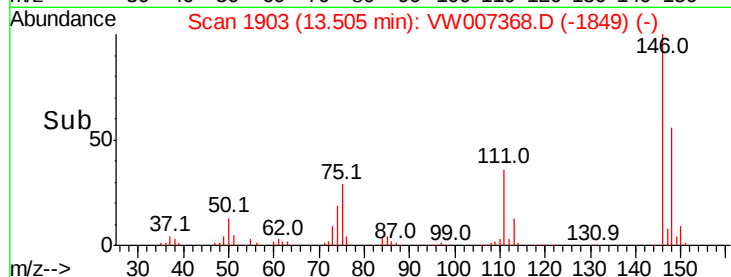
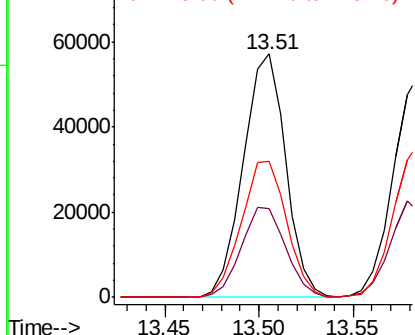
#63
 1,3-Dichlorobenzene
 Concen: 27.140 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 89401
 Ion Ratio Lower Upper
 146 100
 111 36.4 31.0 57.6
 148 56.1 44.7 83.1

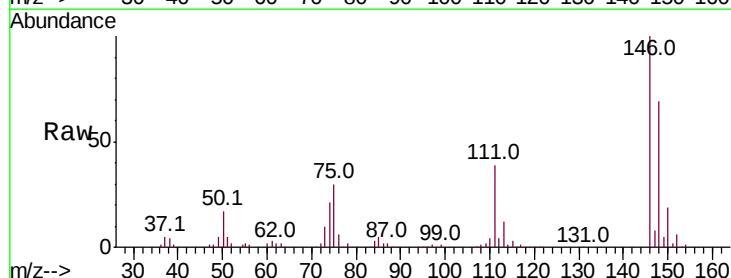


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

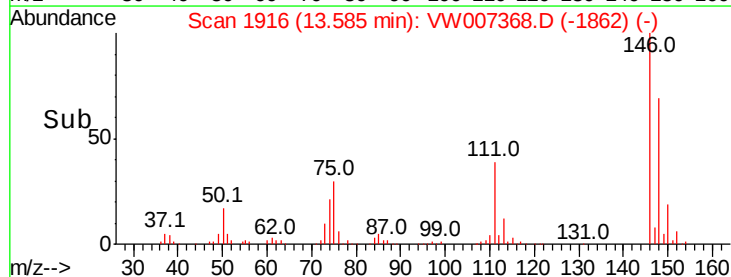
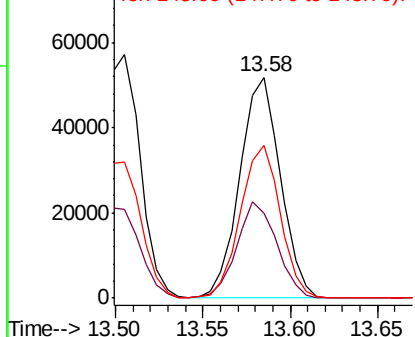


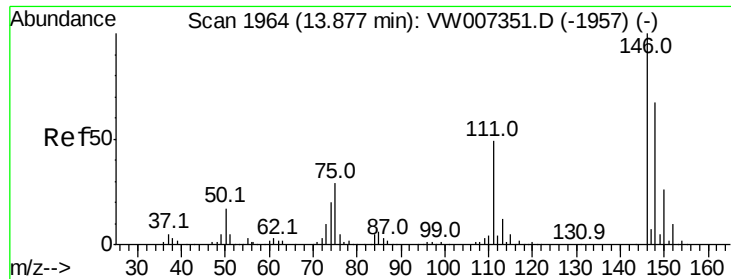
#64
 1,4-Dichlorobenzene
 Concen: 25.500 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

Tgt Ion:146 Resp: 83739
 Ion Ratio Lower Upper
 146 100
 111 38.6 24.8 46.0
 148 69.0 38.7 71.9



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.302 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

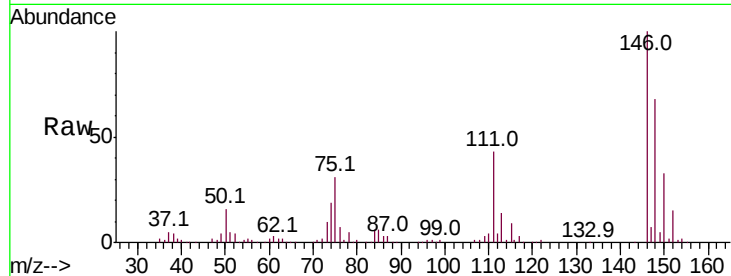
Tot Ion:146 Resp: 77539

Ion Ratio Lower Upper

146 100

111 43.4 39.3 58.9

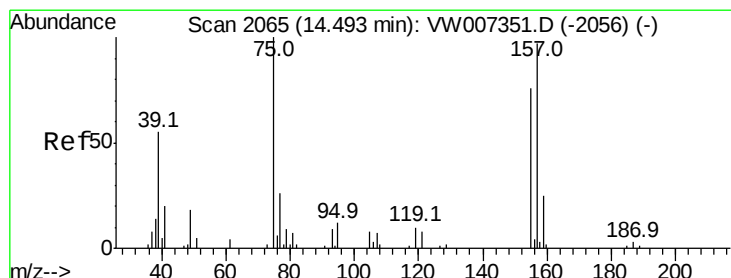
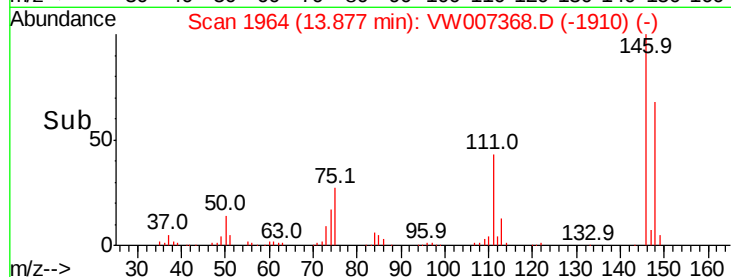
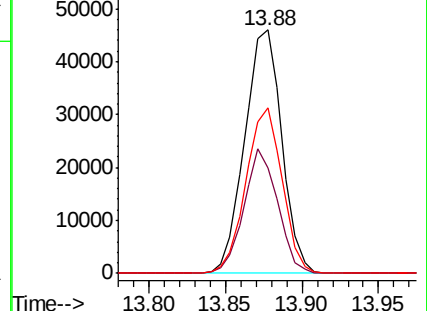
148 68.0 51.8 77.8



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: 25.237 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007368.D

Acq: 10 Dec 2018 19:46

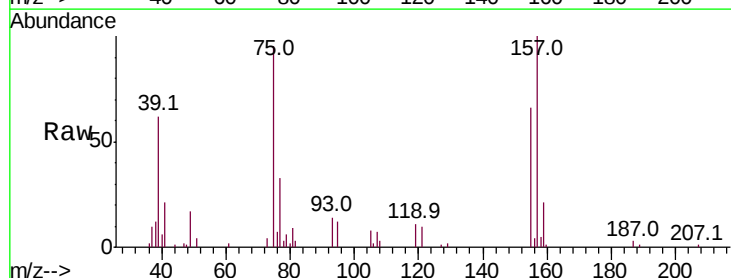
Tgt Ion: 75 Resp: 7880

Ion Ratio Lower Upper

75 100

157 105.5 86.0 129.0

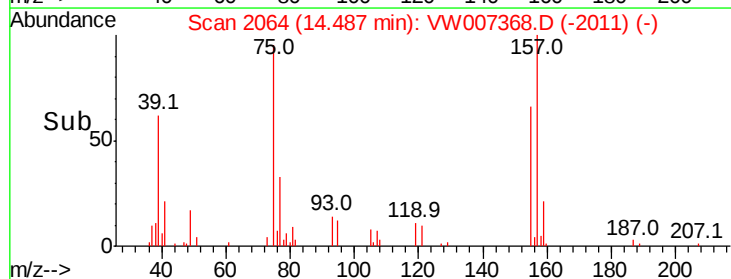
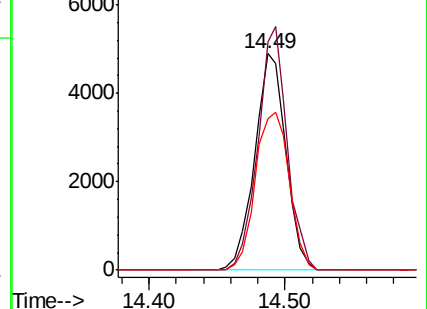
155 69.8 64.9 97.3

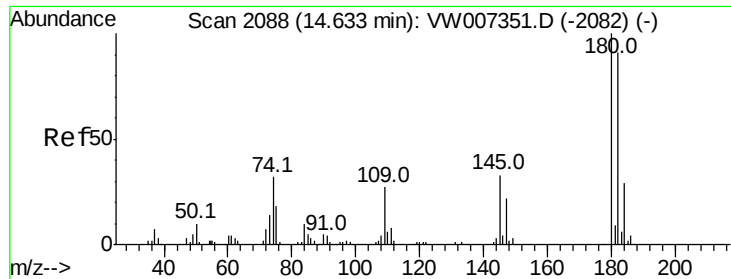


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



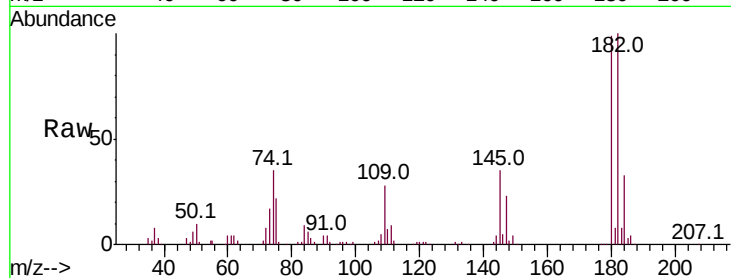


#67
 1,3,5-Trichlorobenzene
 Concen: 26.235 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

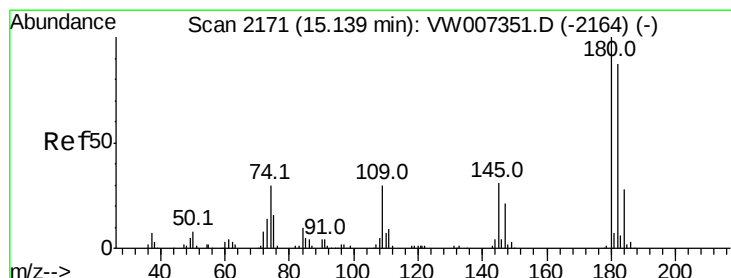
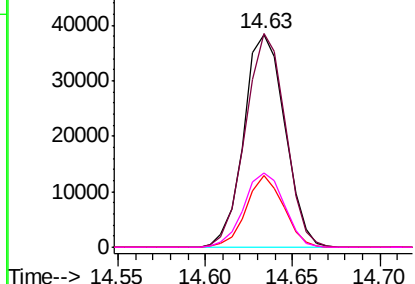
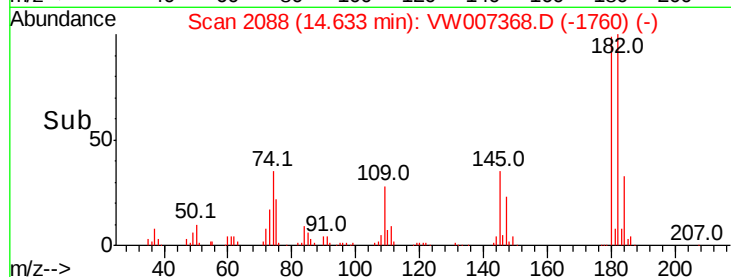
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 62601

Ion	Ratio	Lower	Upper
180	100		
182	97.7	74.6	111.8
184	30.8	24.7	37.1
145	34.3	27.2	40.8



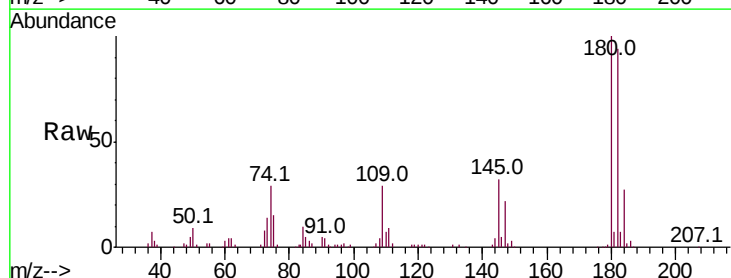
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



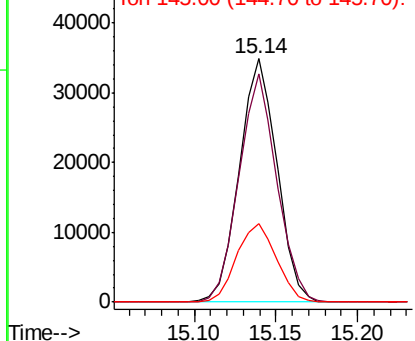
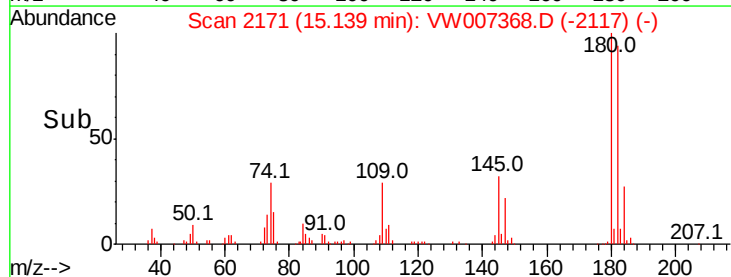
#68
 1,2,4-trichlorobenzene
 Concen: 27.204 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007368.D
 Acq: 10 Dec 2018 19:46

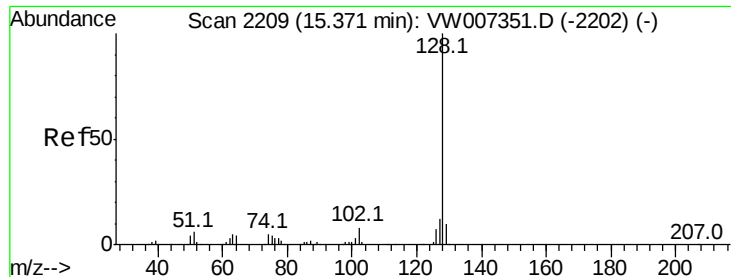
Tgt Ion:180 Resp: 55964

Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.4	116.2
145	34.1	28.4	42.6



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

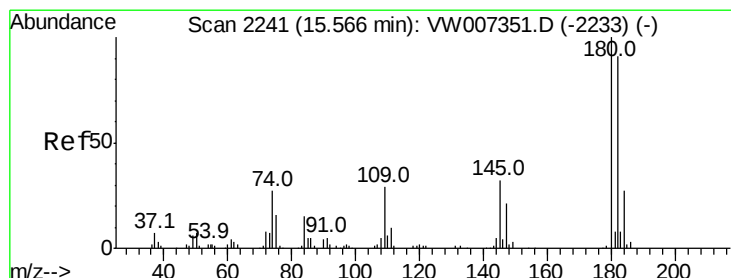
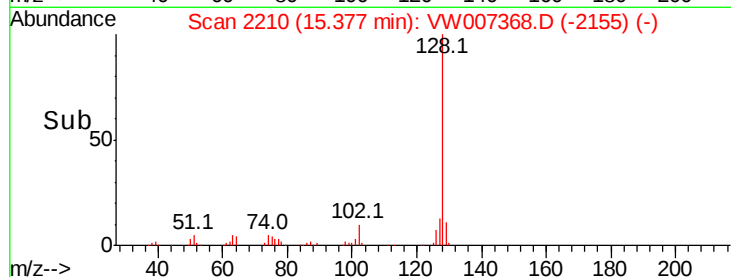
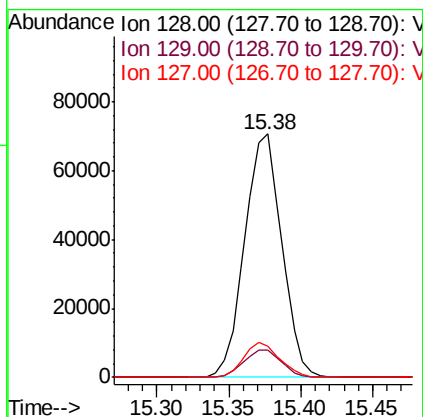
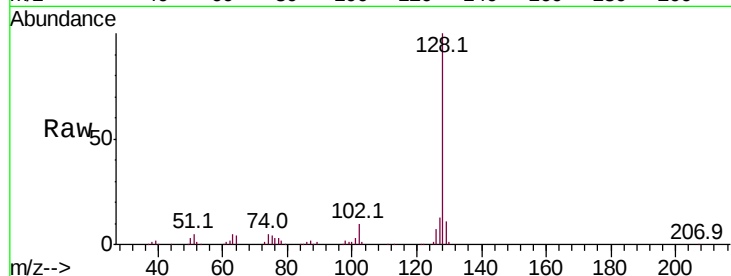




#69
Naphthalene
Concen: 24.747 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 125841
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.8 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 27.173 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007368.D
Acq: 10 Dec 2018 19:46

Tgt Ion:180 Resp: 50820
Ion Ratio Lower Upper
180 100
182 92.9 76.2 114.4
145 35.5 27.4 41.0

