

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121218\
 Data File : VW007389.D
 Acq On : 11 Dec 2018 11:25
 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 12 02:41:04 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	120873	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	108073	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	54279	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23656	30.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.20%
7) Chloroethane-d5	2.89	69	9476	14.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.84%
10) 1,1-Dichloroethene-d2	4.01	63	75948	27.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.88%#
20) 2-Butanone-d5	7.07	46	22602	45.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.10%
24) Chloroform-d	7.65	84	74624	26.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	8.31	65	43371	26.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.92%
29) Benzene-d6	8.27	84	146005	24.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.48%
33) 1,2-Dichloropropane-d6	9.27	67	41041	24.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.00%
37) Toluene-d8	10.32	98	142226	25.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.36%
38) trans-1,3-Dichloropropene-	10.58	79	22156	25.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.48%
39) 2-Hexanone-d5	10.93	63	18928	46.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	39062	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	50455	26.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	32369	24.521	ug/L	100
3) Chloromethane	2.22	50	22613	21.399	ug/L	95
5) Vinyl chloride	2.37	62	28183	28.269	ug/L	99
6) Bromomethane	2.78	94	17185	24.921	ug/L	99
8) Chloroethane	2.93	64	14764	24.602	ug/L	97
9) Trichlorofluoromethane	3.26	101	26476	23.135	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	39932	26.175	ug/L	92
12) 1,1-Dichloroethene	4.03	96	37041	26.094	ug/L	97
13) Acetone	4.12	43	24630	42.682	ug/L	99
14) Carbon disulfide	4.37	76	110315	26.616	ug/L	99
15) Methyl Acetate	4.67	43	18995	21.952	ug/L #	95
16) Methylene chloride	4.91	84	36753	18.818	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	55748	24.152	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	37774	24.804	ug/L	98
19) 1,1-Dichloroethane	6.21	63	64997	25.039	ug/L	97
21) 2-Butanone	7.17	43	27885	44.958	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	41574	24.808	ug/L	93

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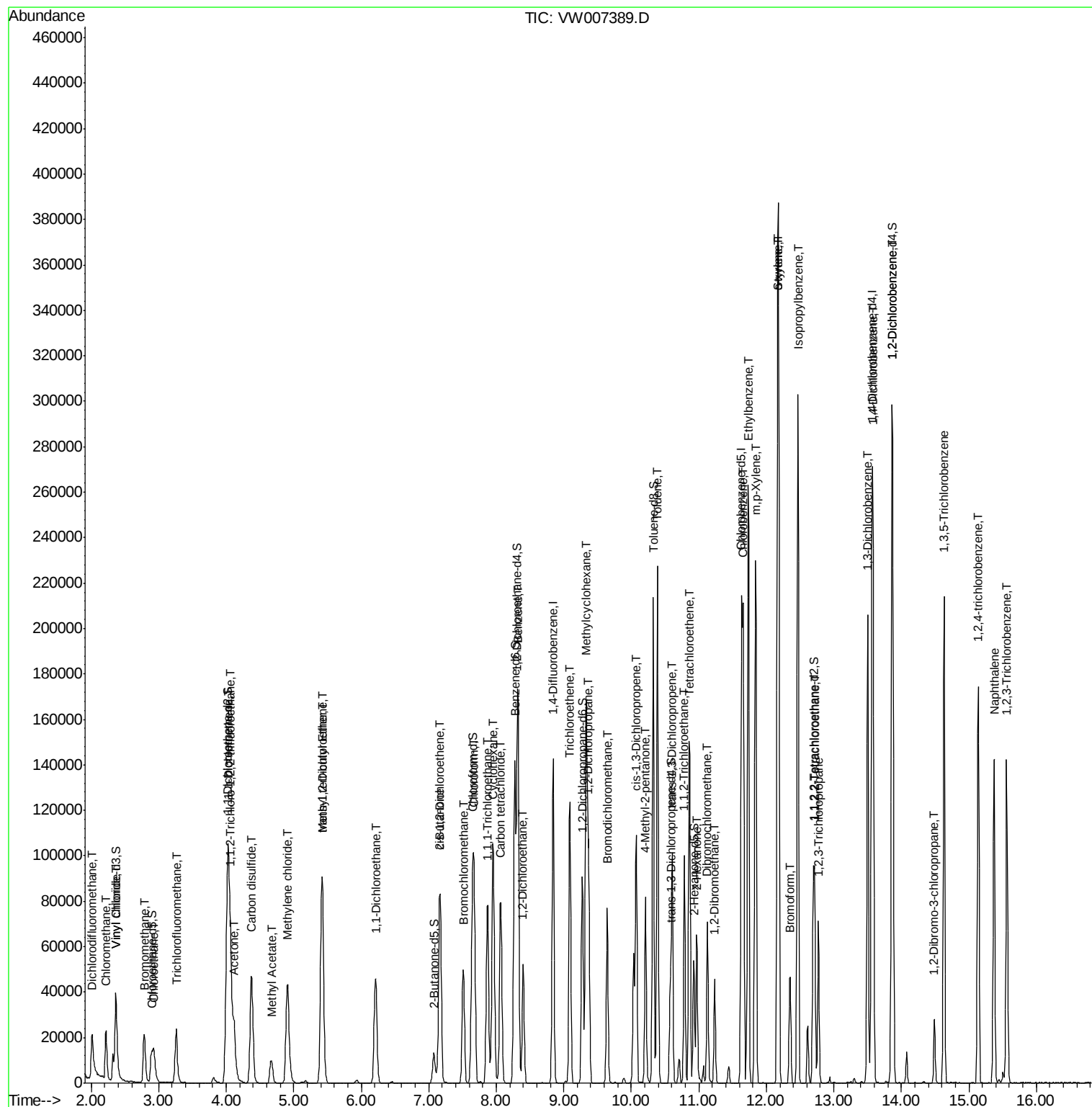
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	19408	25.404	ug/L	91
25) Chloroform	7.67	83	71177	25.341	ug/L	100
27) 1,2-Dichloroethane	8.40	62	50123	24.964	ug/L	97
30) Cyclohexane	7.95	56	60273	23.247	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	65447	25.730	ug/L	99
32) Carbon tetrachloride	8.07	117	63010	25.634	ug/L	98
34) Benzene	8.32	78	148840	24.027	ug/L	100
35) Trichloroethene	9.09	95	43051	24.236	ug/L	99
36) Methylcyclohexane	9.34	83	72649	23.692	ug/L	99
40) 1,2-Dichloropropane	9.37	63	36226	23.907	ug/L	100
41) Bromodichloromethane	9.65	83	52577	24.165	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	61188	24.045	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	51475	42.918	ug/L	99
44) Toluene	10.39	91	165393	24.771	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	55396	24.788	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	30669	24.580	ug/L	97
47) Tetrachloroethene	10.87	164	33188	24.734	ug/L	94
49) 2-Hexanone	10.97	43	38567	45.752	ug/L	97
50) Dibromochloromethane	11.13	129	38267	24.965	ug/L	100
51) 1,2-Dibromoethane	11.24	107	30680	24.483	ug/L	97
52) Chlorobenzene	11.66	112	108958	25.144	ug/L	95
53) Ethylbenzene	11.73	91	190570	25.383	ug/L	96
54) m,p-Xylene	11.84	106	72425	25.394	ug/L	87
55) o-xylene	12.17	106	69807	25.900	ug/L	96
56) Styrene	12.18	104	119341	25.831	ug/L	96
57) Isopropylbenzene	12.47	105	195524	25.992	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	37979	24.554	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	29743	24.293	ug/L	99
62) Bromoform	12.35	173	22355	24.049	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	86333	24.758	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	87343	25.125	ug/L	89
65) 1,2-Dichlorobenzene	13.87	146	79974	25.626	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	7670	23.205	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	62648	24.801	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	54576	25.061	ug/L	97
69) Naphthalene	15.37	128	128238	23.823	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	48745	24.620	ug/L	99

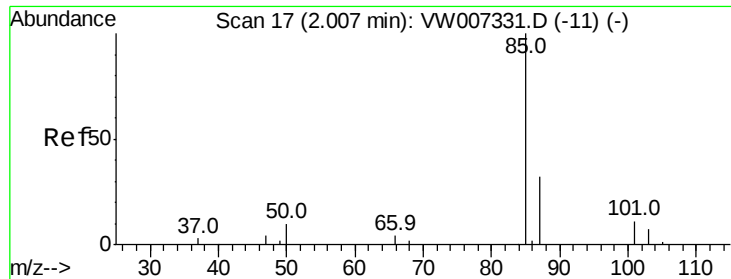
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.521 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

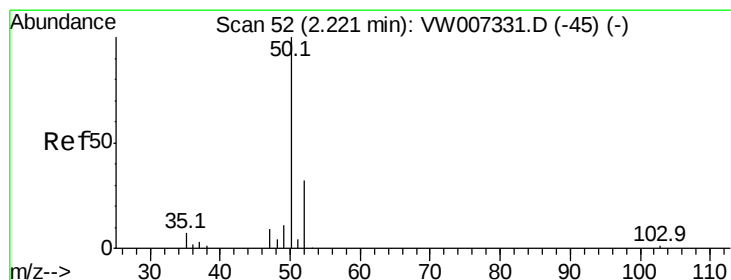
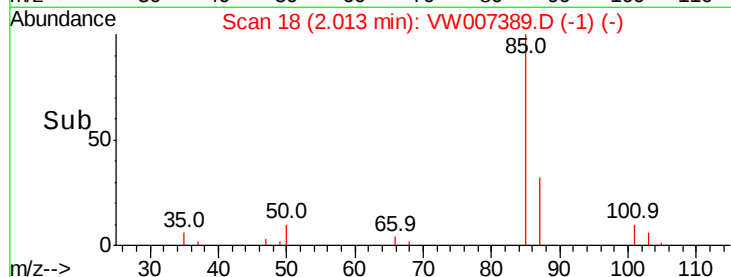
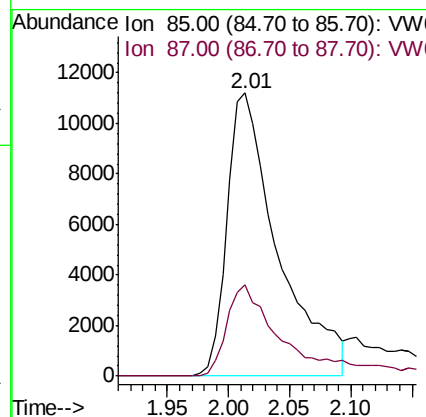
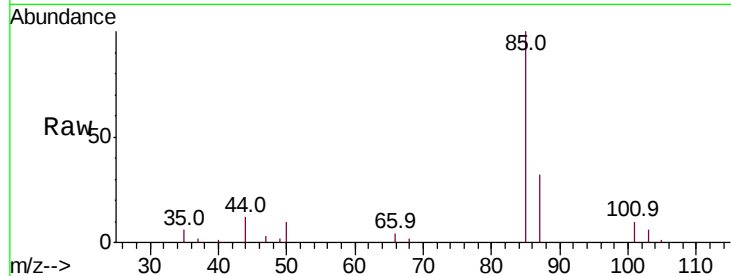
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 32369

Ion Ratio Lower Upper

85 100

87 33.3 23.2 43.0



#3

Chloromethane

Concen: 21.399 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007389.D

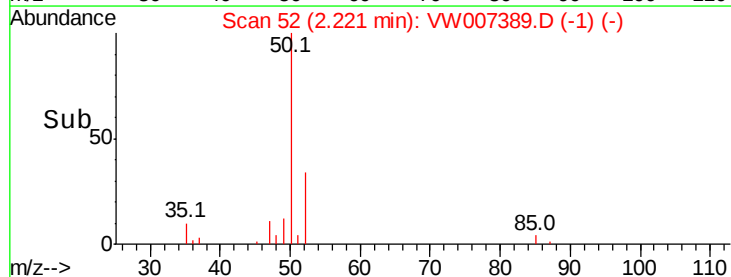
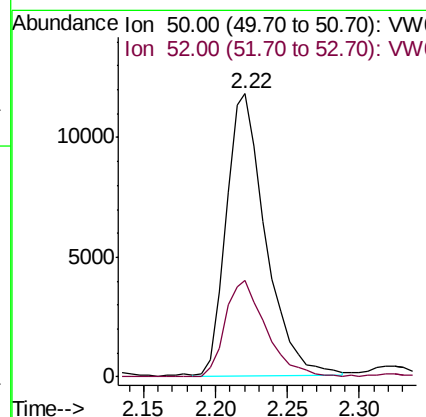
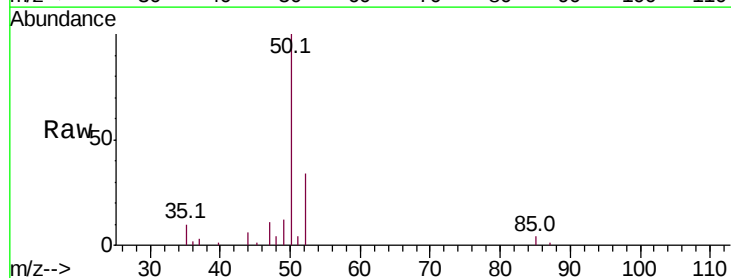
Acq: 11 Dec 2018 11:25

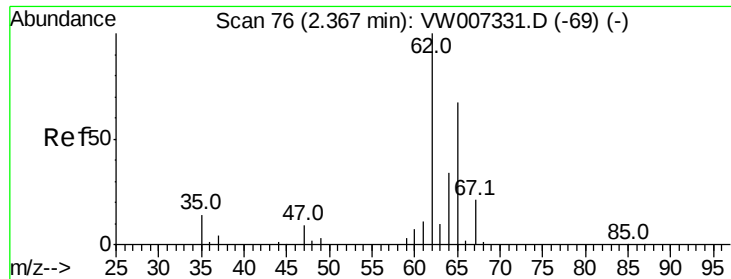
Tgt Ion: 50 Resp: 22613

Ion Ratio Lower Upper

50 100

52 34.2 22.2 41.2





#5

Vinyl chloride

Concen: 28.269 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

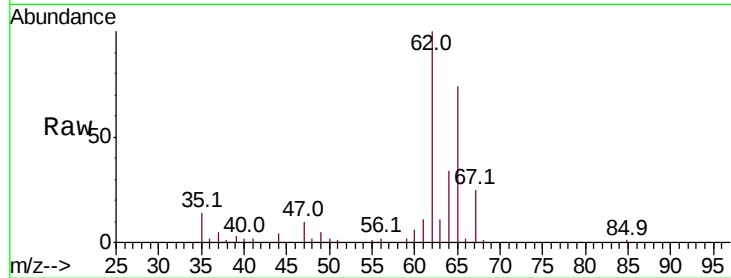
ClientSampled :

Tot Ion: 62 Resp: 28183

Ion Ratio Lower Upper

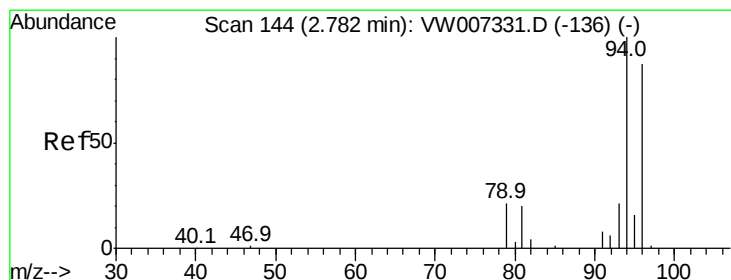
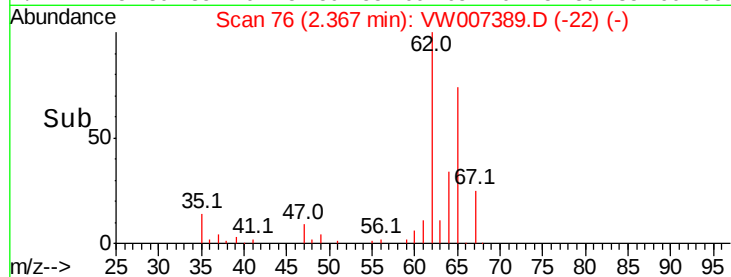
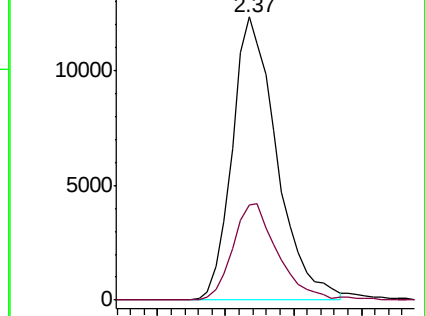
62 100

64 33.7 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.921 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007389.D

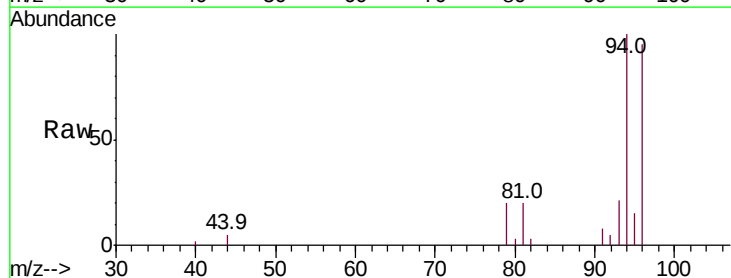
Acq: 11 Dec 2018 11:25

Tgt Ion: 94 Resp: 17185

Ion Ratio Lower Upper

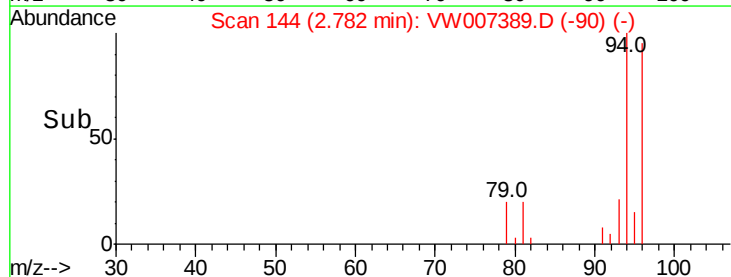
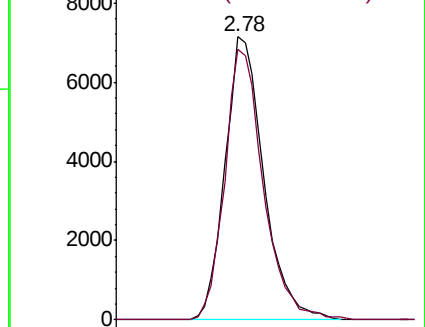
94 100

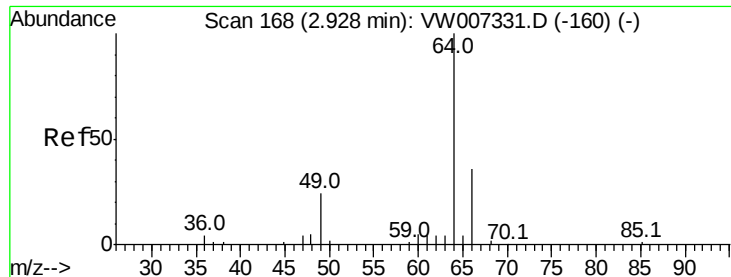
96 95.1 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 24.602 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

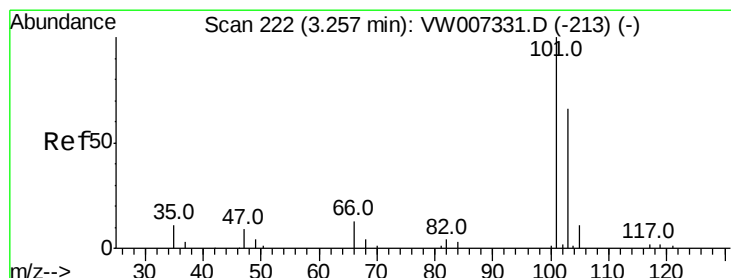
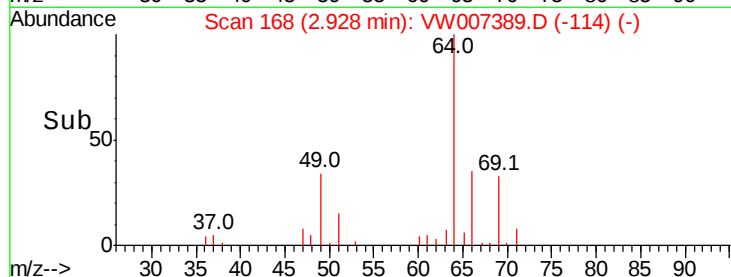
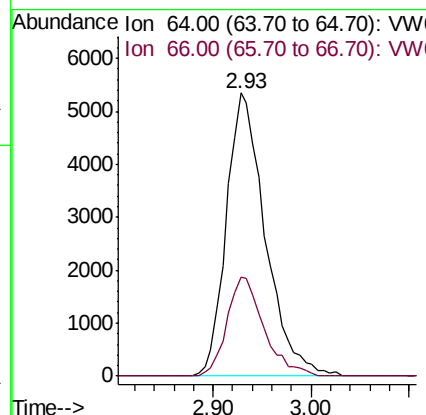
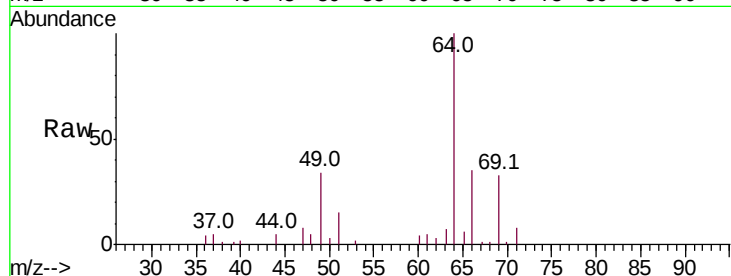
ClientSampled :

Tot Ion: 64 Resp: 14764

Ion Ratio Lower Upper

64 100

66 35.0 23.2 43.2



#9

Trichlorofluoromethane

Concen: 23.135 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW007389.D

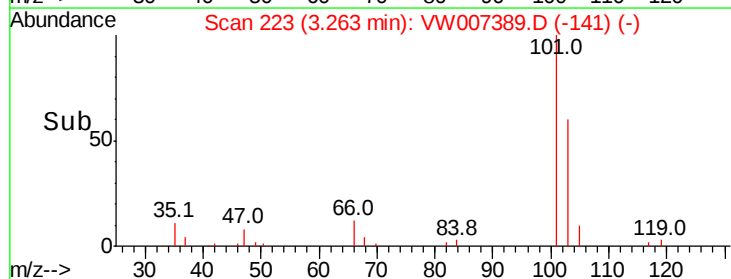
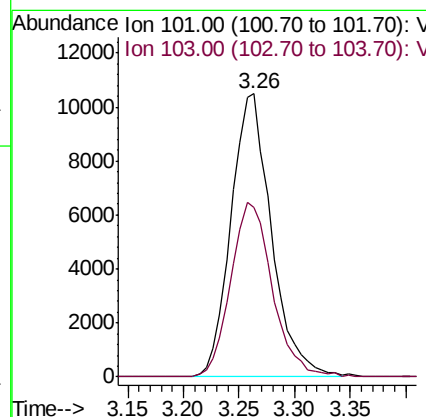
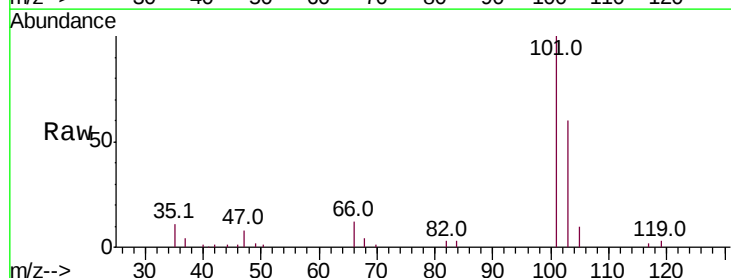
Acq: 11 Dec 2018 11:25

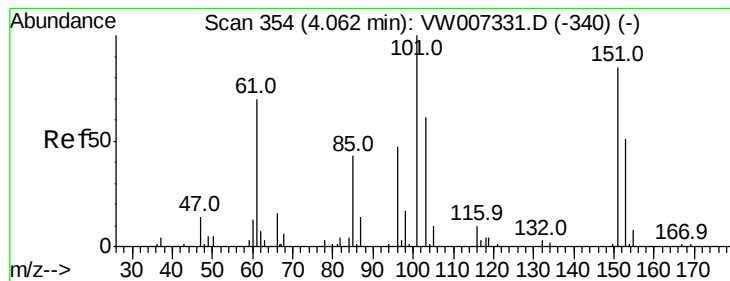
Tgt Ion:101 Resp: 26476

Ion Ratio Lower Upper

101 100

103 63.1 44.7 82.9





#11

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

Concen: 26.175 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

ClientSampleId :

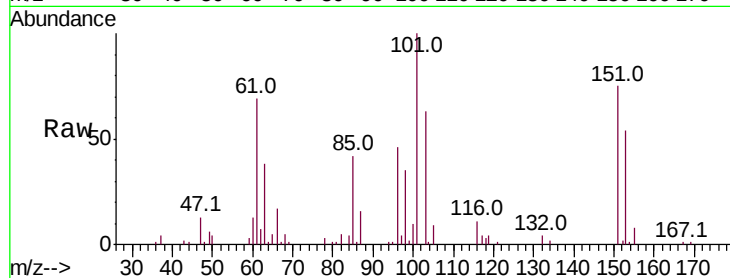
Tot Ion:101 Resp: 39932

Ion Ratio Lower Upper

101 100

85 40.9 35.4 53.2

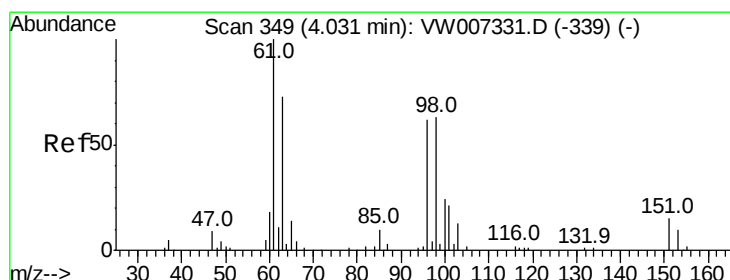
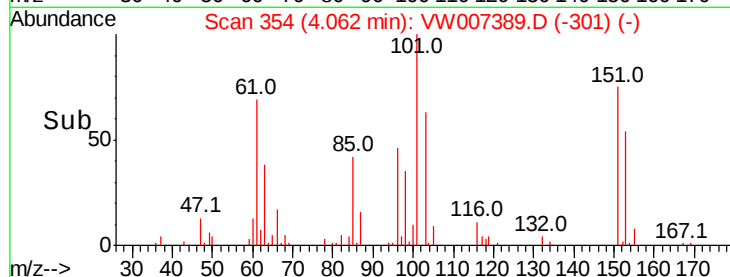
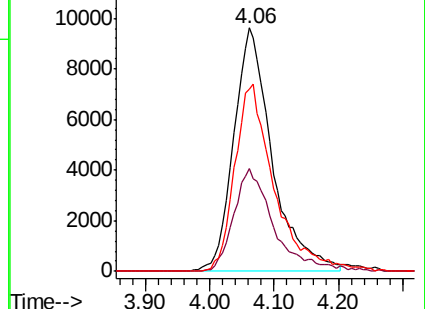
151 72.7 64.8 97.2



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: 26.094 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

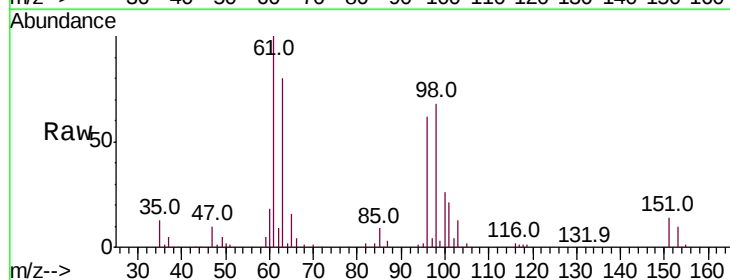
Tgt Ion: 96 Resp: 37041

Ion Ratio Lower Upper

96 100

61 161.4 117.2 217.8

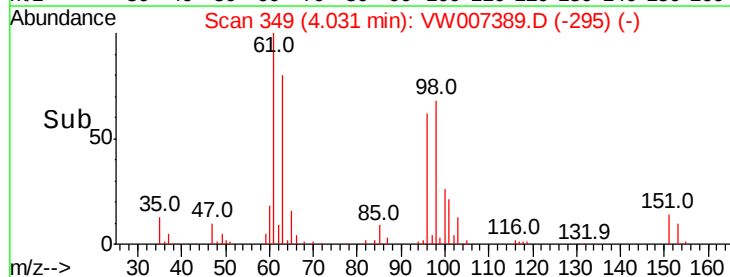
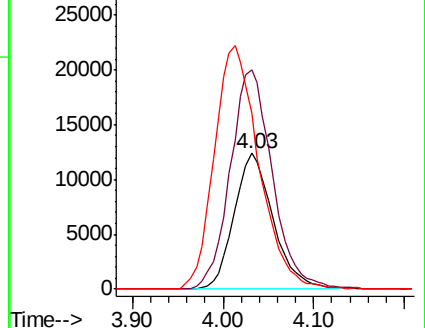
63 129.6 89.7 166.7

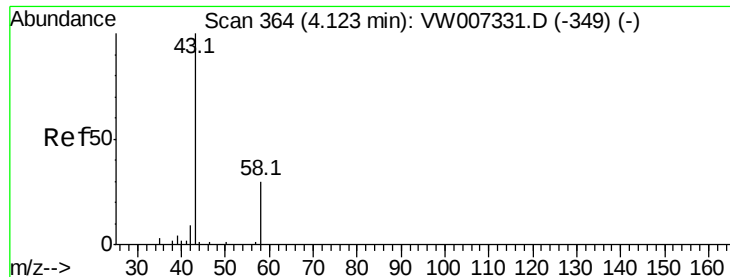


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.682 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

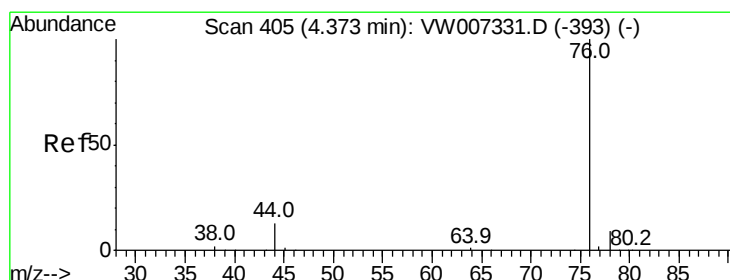
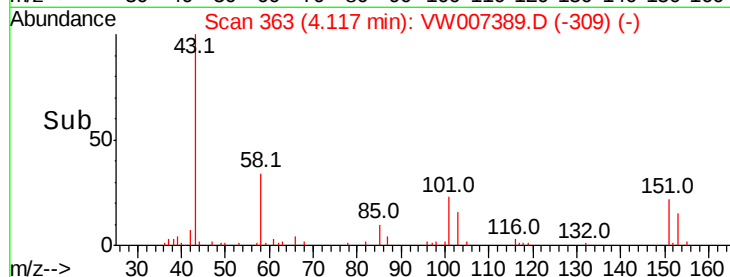
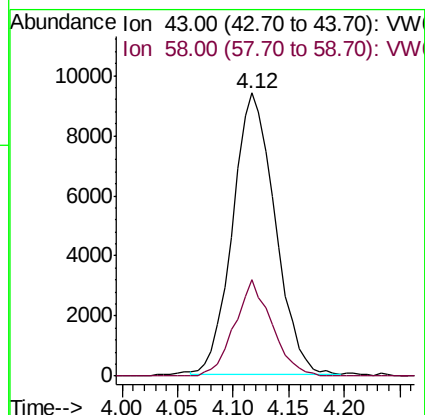
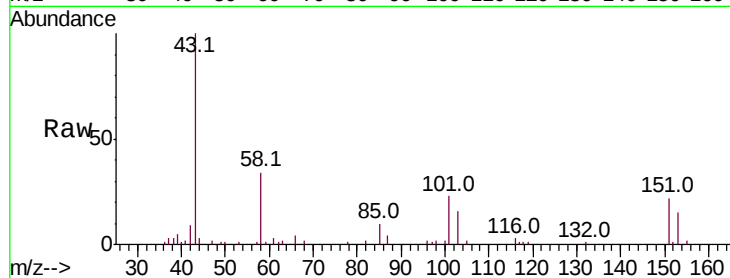
ClientSampleId :

Tot Ion: 43 Resp: 24630

Ion Ratio Lower Upper

43 100

58 30.3 0.0 59.2



#14

Carbon disulfide

Concen: 26.616 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007389.D

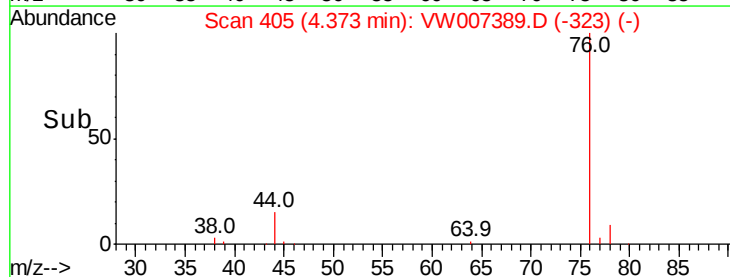
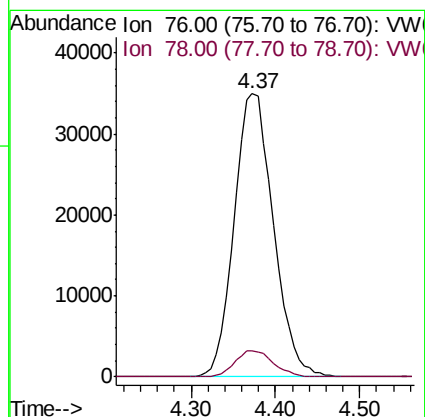
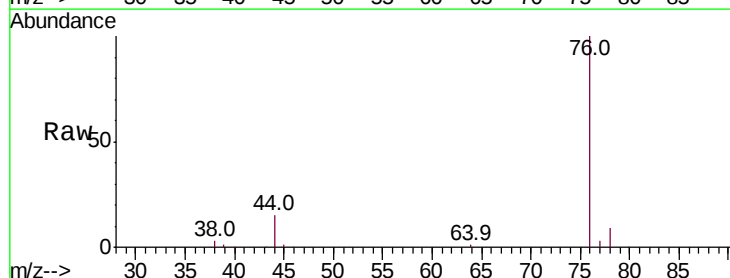
Acq: 11 Dec 2018 11:25

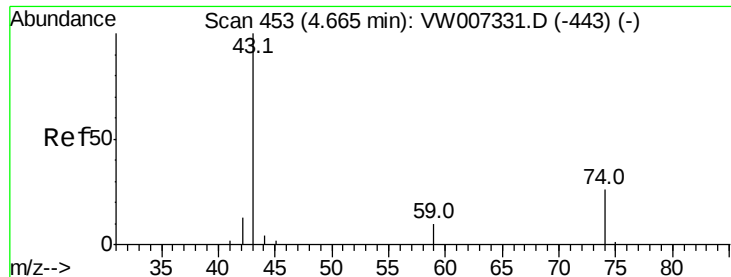
Tgt Ion: 76 Resp: 110315

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methyl Acetate

Concen: 21.952 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

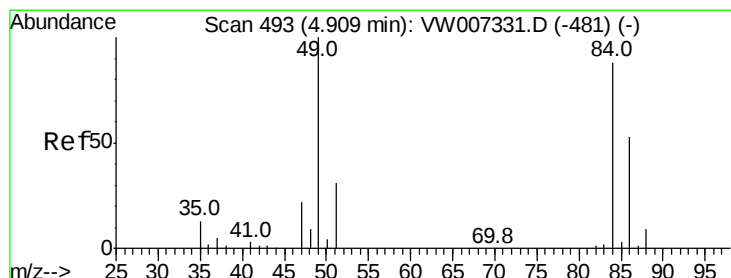
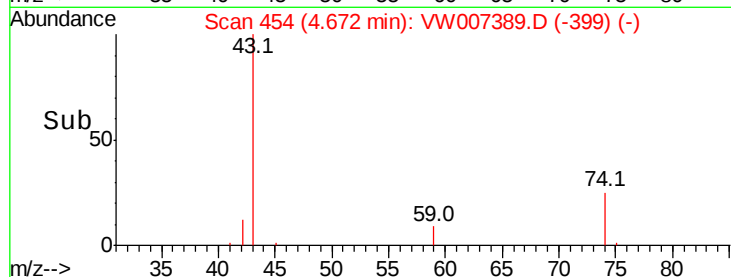
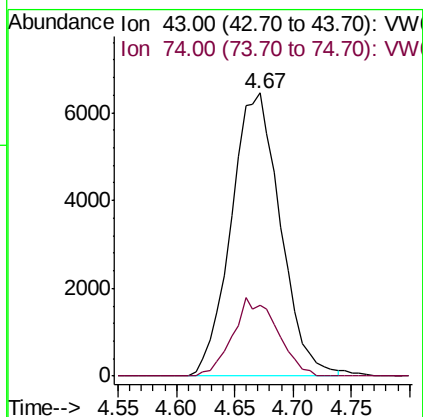
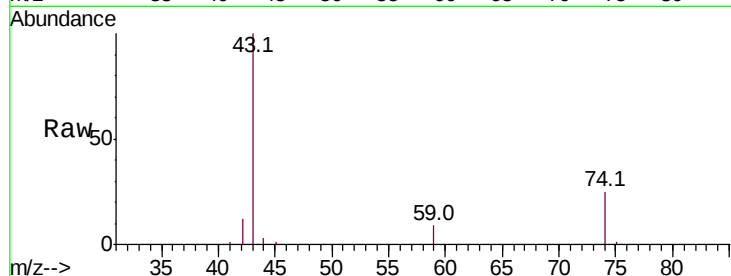
ClientSampled :

Tot Ion: 43 Resp: 18995

Ion Ratio Lower Upper

43 100

74 12.6 0.1 0.1#



#16

Methylene chloride

Concen: 18.818 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

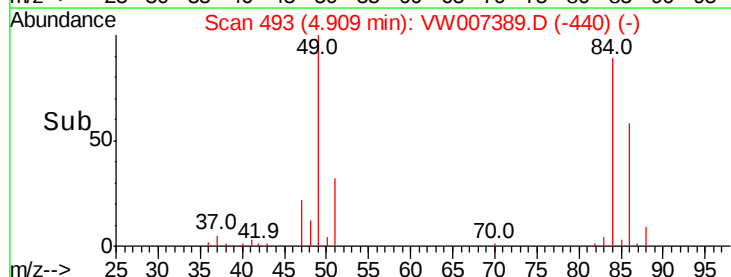
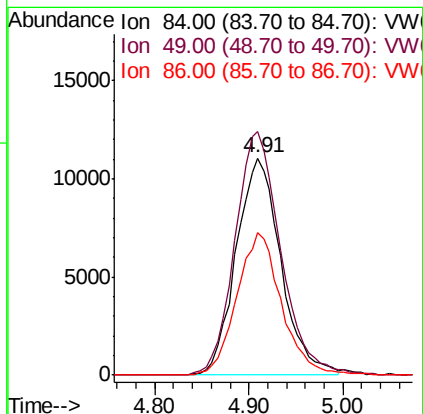
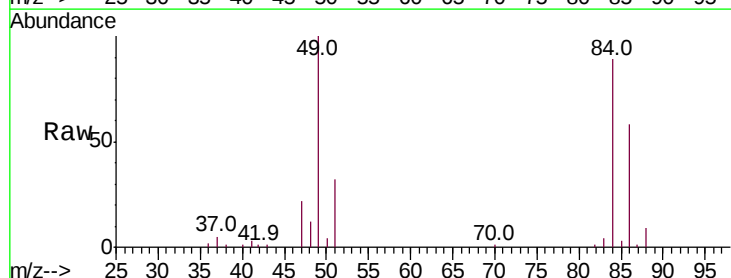
Tgt Ion: 84 Resp: 36753

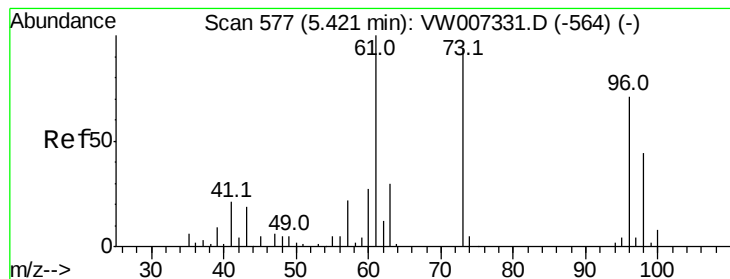
Ion Ratio Lower Upper

84 100

49 112.0 80.8 150.2

86 65.3 45.8 85.2



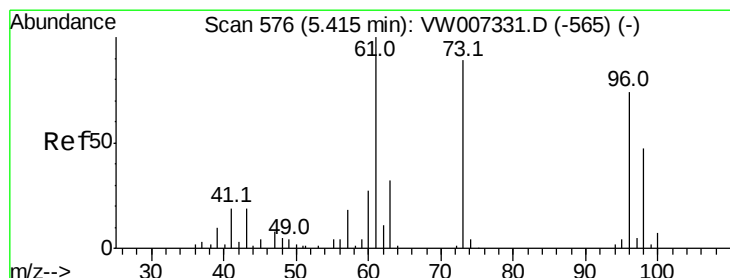
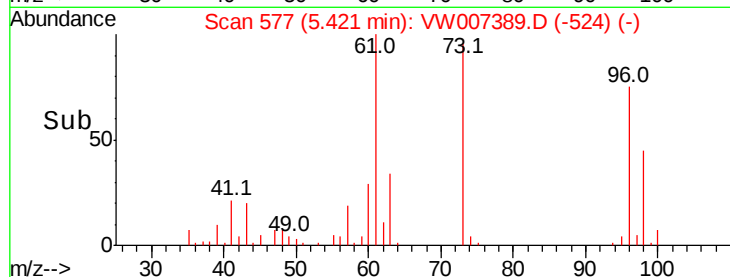
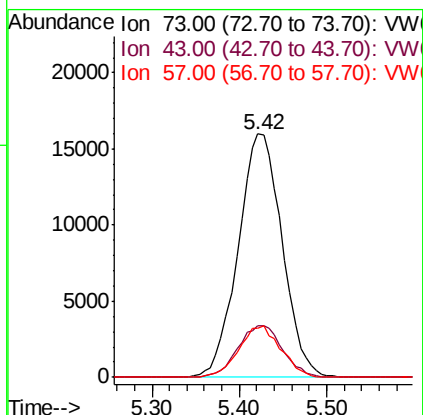
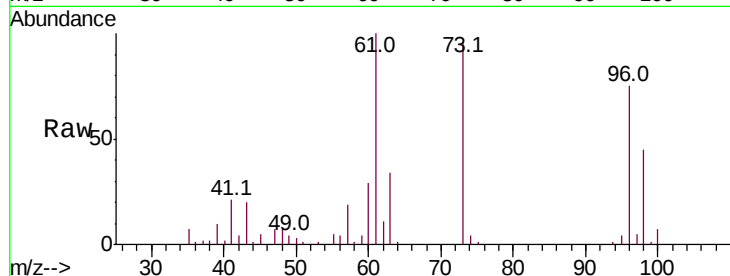


#17

Methvl tert-butvl Ether
 Concen: 24.152 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Instrument :
 MSVOA_W
 ClientSampled :

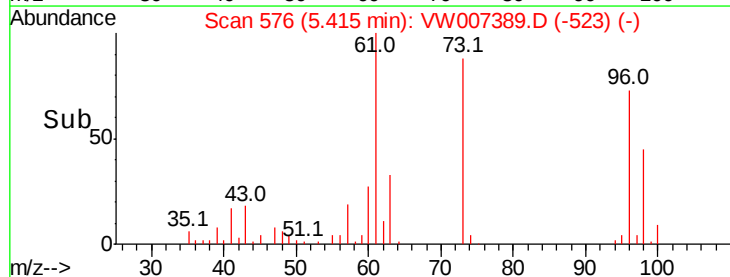
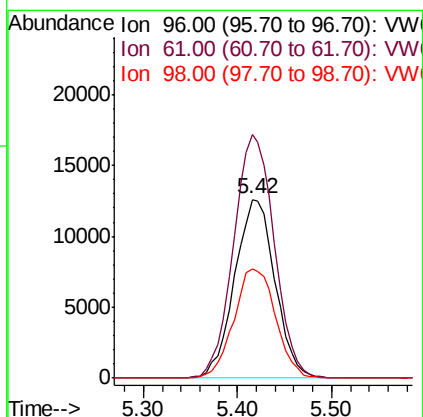
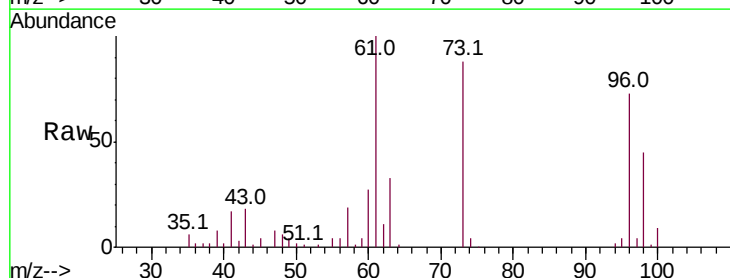
Tot Ion: 73 Resp: 55748
 Ion Ratio Lower Upper
 73 100
 43 21.7 17.3 25.9
 57 20.2 17.0 25.6

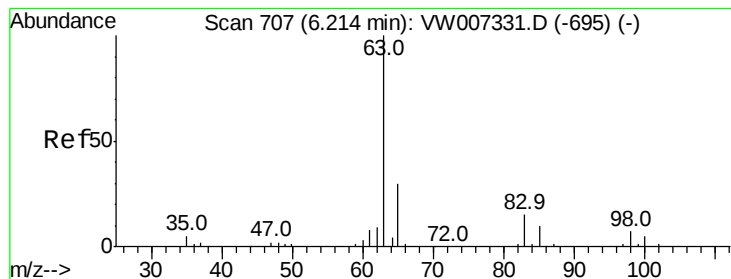


#18

trans-1,2-Dichloroethene
 Concen: 24.804 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Tgt Ion: 96 Resp: 37774
 Ion Ratio Lower Upper
 96 100
 61 136.3 94.6 175.8
 98 60.9 45.1 83.7





#19

1,1-Dichloroethane

Concen: 25.039 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

ClientSampled :

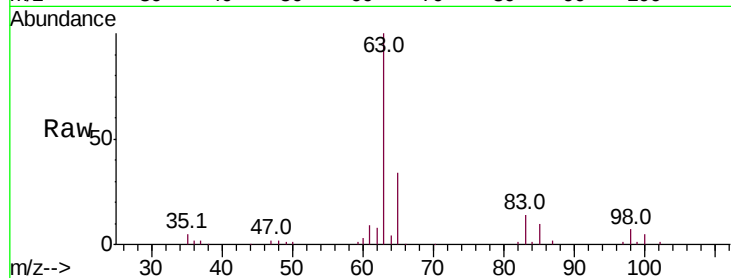
Tot Ion: 63 Resp: 64997

Ion Ratio Lower Upper

63 100

65 33.5 22.1 41.1

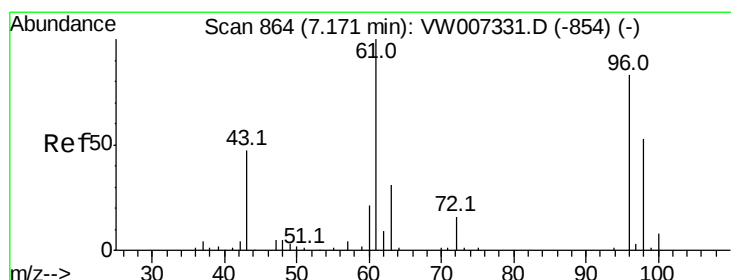
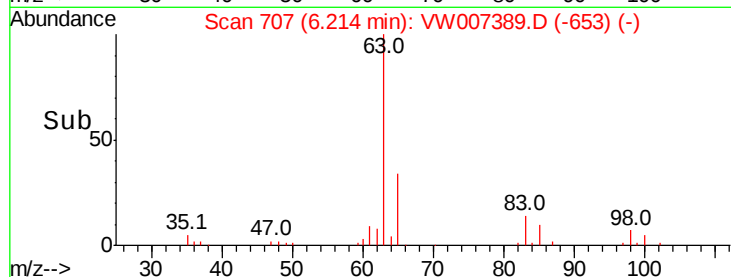
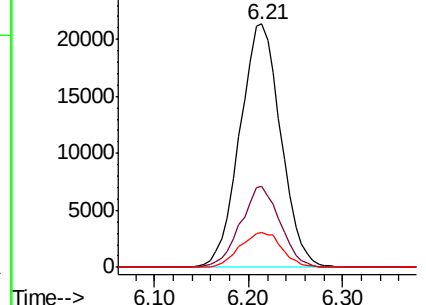
83 14.2 9.8 18.2



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: 44.958 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007389.D

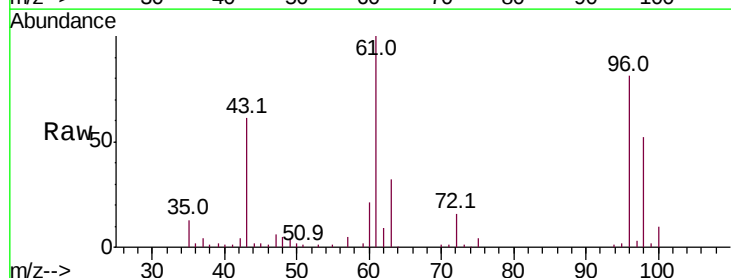
Acq: 11 Dec 2018 11:25

Tgt Ion: 43 Resp: 27885

Ion Ratio Lower Upper

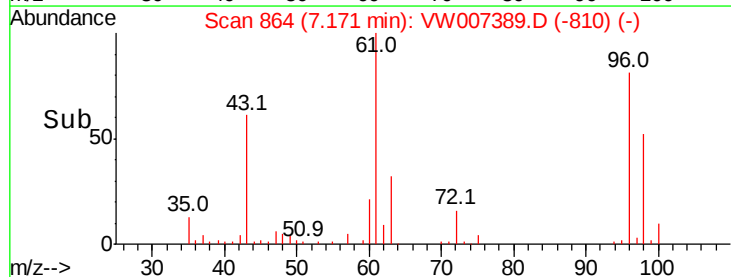
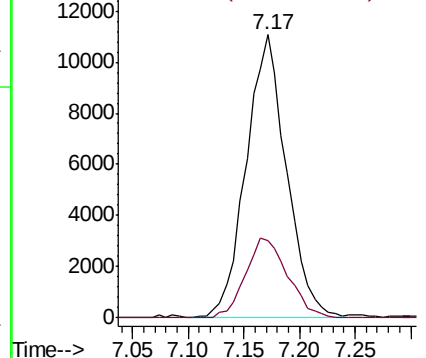
43 100

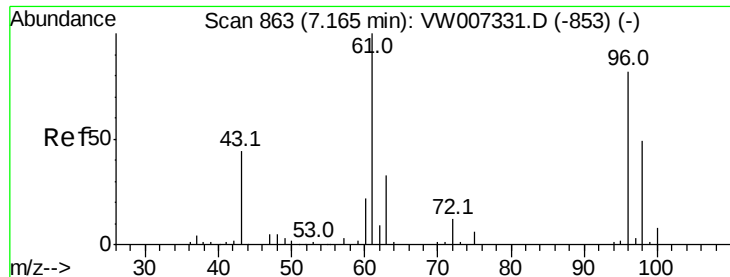
72 29.4 14.7 44.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



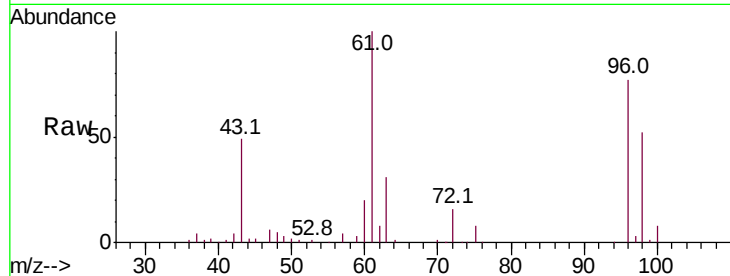


#22

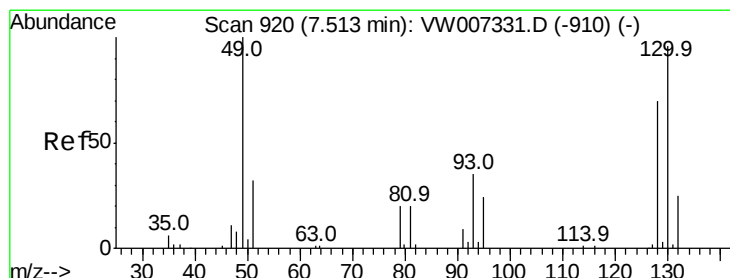
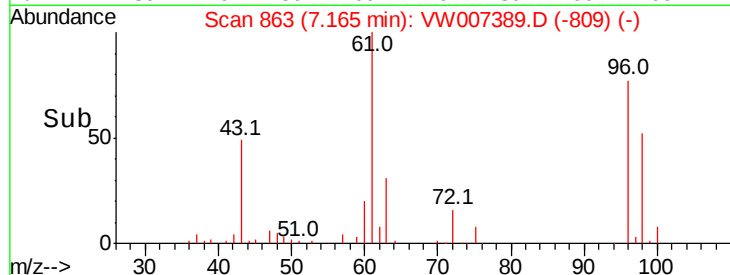
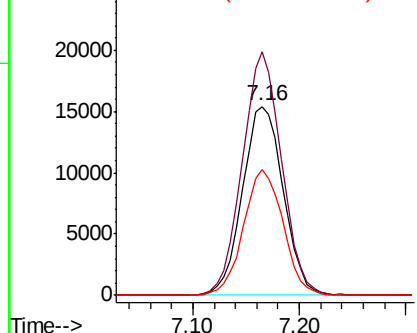
cis-1,2-Dichloroethene
Concen: 24.808 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 41574
Ion Ratio Lower Upper
96 100
61 129.1 84.6 157.2
98 66.5 42.9 79.7



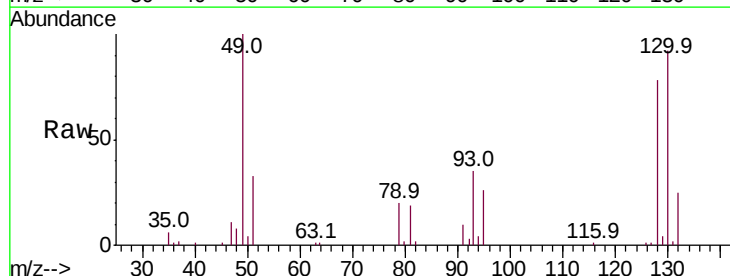
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



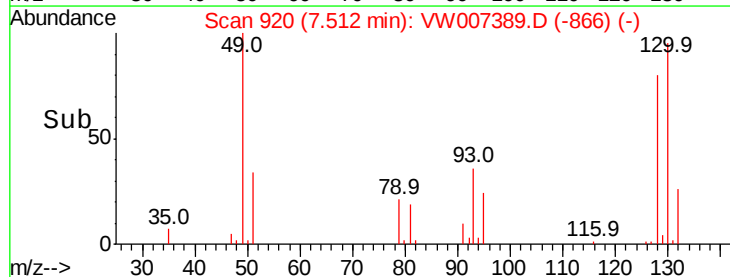
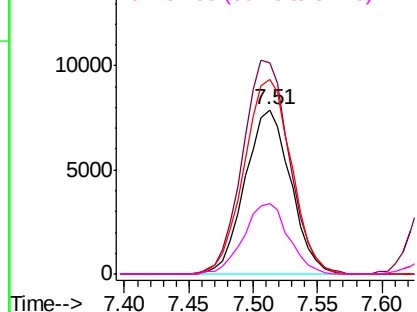
#23

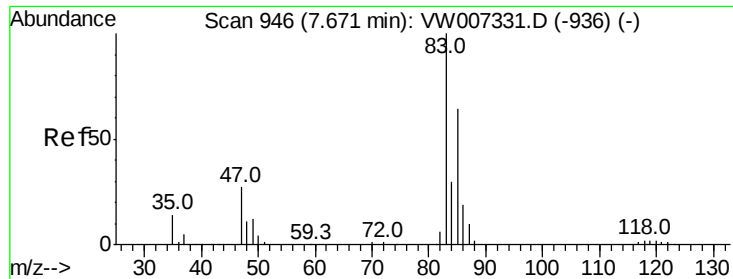
Bromochloromethane
Concen: 25.404 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

Tgt Ion: 128 Resp: 19408
Ion Ratio Lower Upper
128 100
49 129.0 102.3 190.1
130 118.4 88.0 163.4
51 42.8 34.2 51.4



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

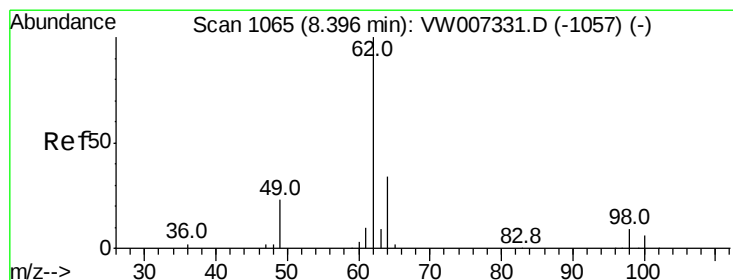
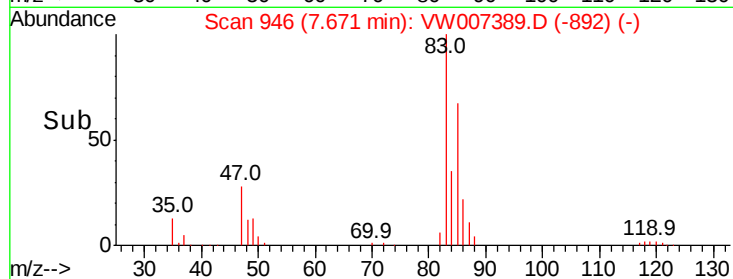
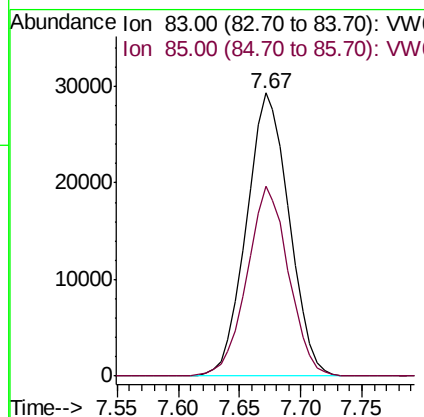
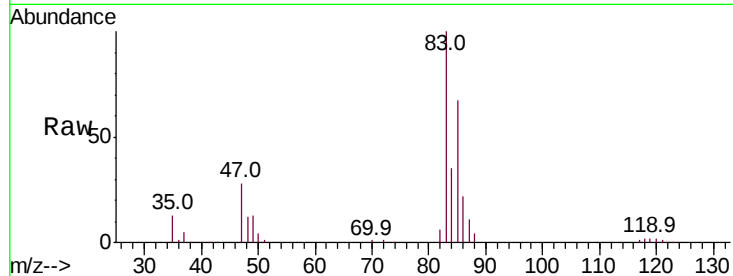




#25
Chloroform
Concen: 25.341 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

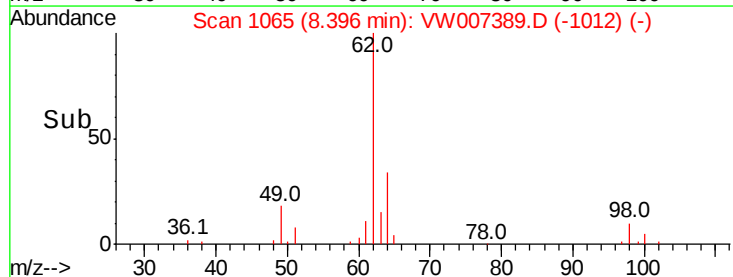
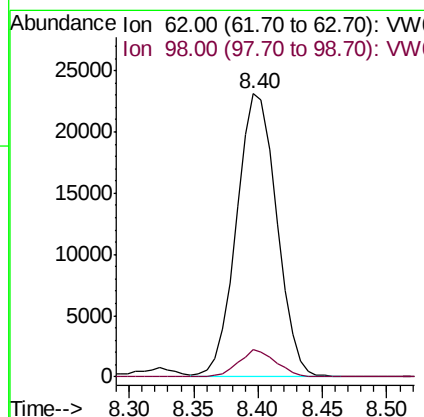
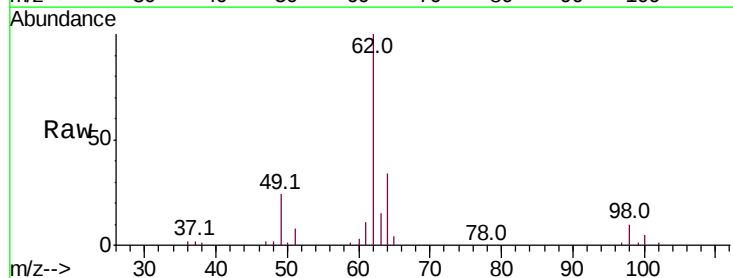
Instrument :
MSVOA_W
ClientSampleId :

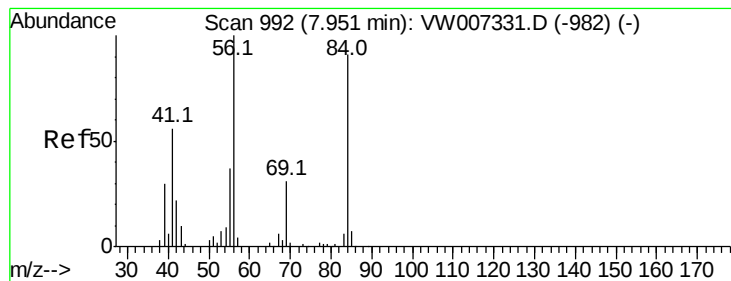
Tot Ion: 83 Resp: 71177
Ion Ratio Lower Upper
83 100
85 65.5 46.0 85.4



#27
1,2-Dichloroethane
Concen: 24.964 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

Tgt Ion: 62 Resp: 50123
Ion Ratio Lower Upper
62 100
98 9.8 6.9 10.3





#30

Cyclohexane

Concen: 23.247 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :
MSVOA_W
ClientSampleId :

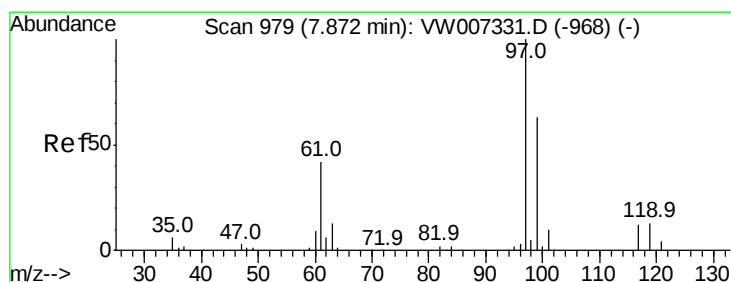
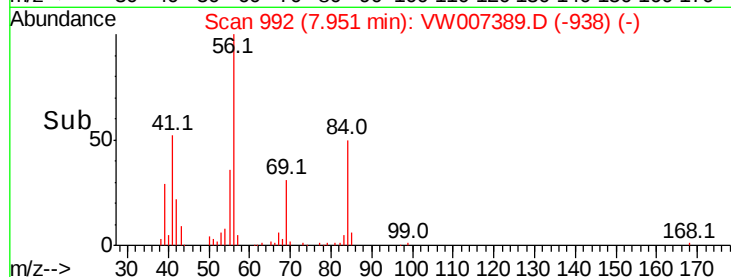
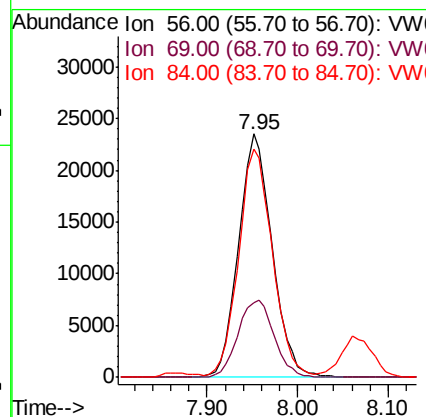
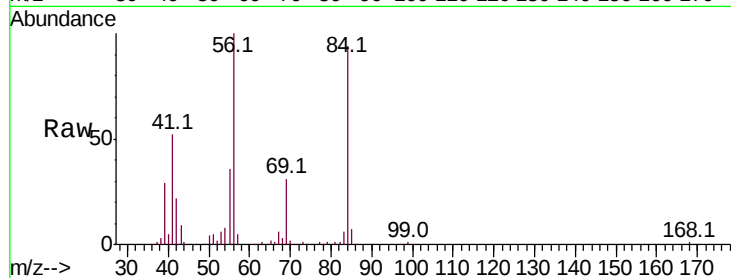
Tot Ion: 56 Resp: 60273

Ion Ratio Lower Upper

56 100

69 33.9 26.0 39.0

84 94.6 73.6 110.4



#31

1,1,1-Trichloroethane

Concen: 25.730 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

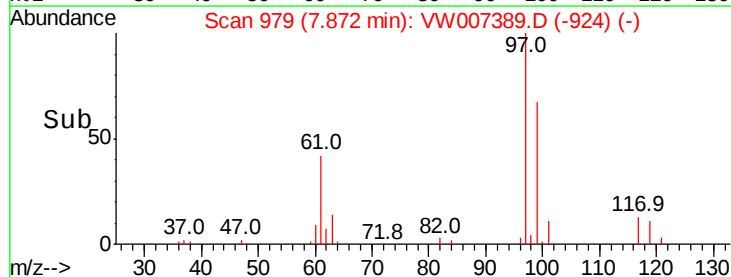
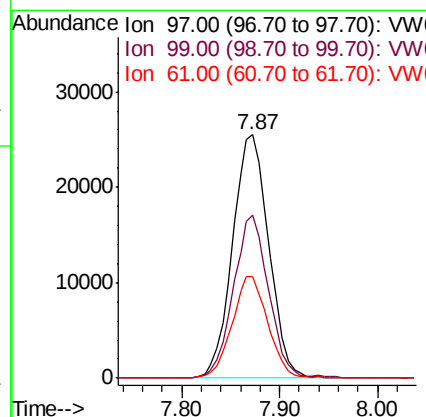
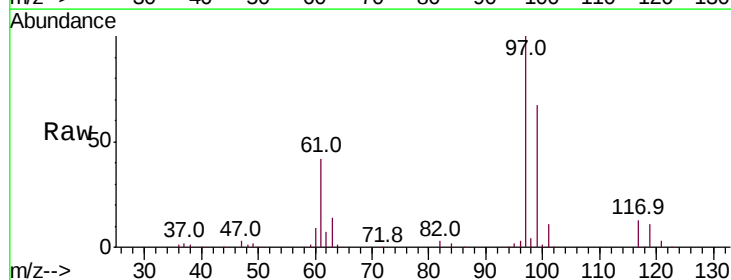
Tgt Ion: 97 Resp: 65447

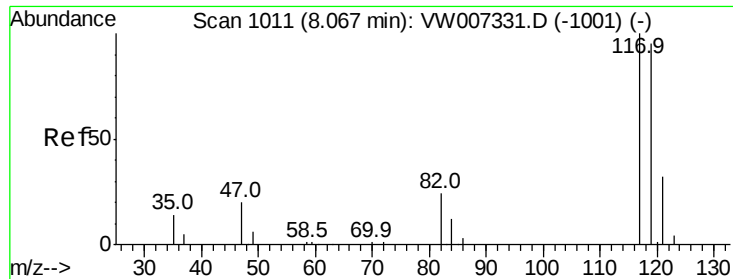
Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

61 41.3 33.2 49.8





#32

Carbon tetrachloride

Concen: 25.634 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

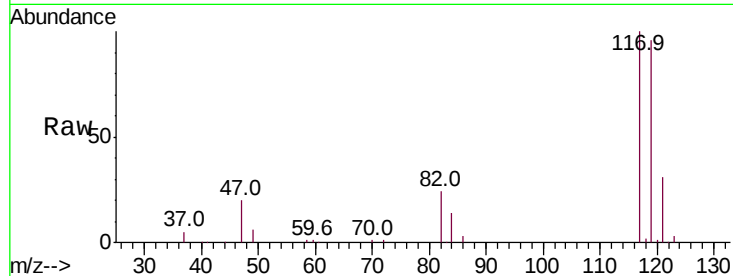
ClientSampled :

Tot Ion:117 Resp: 63010

Ion Ratio Lower Upper

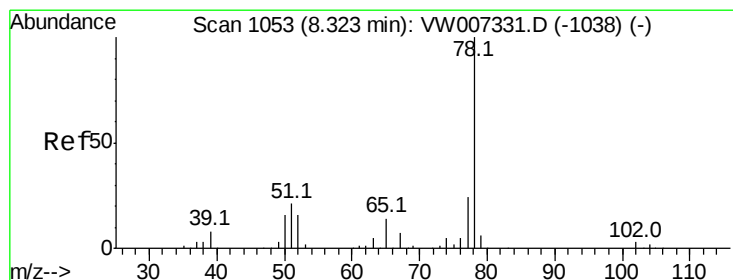
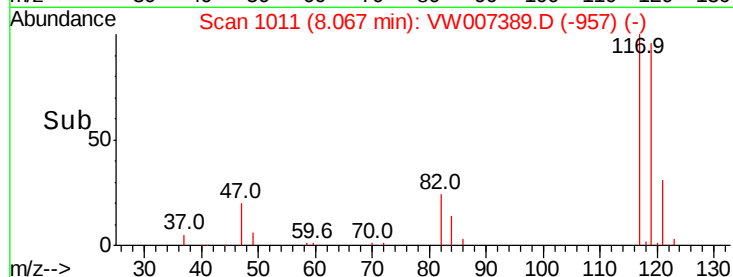
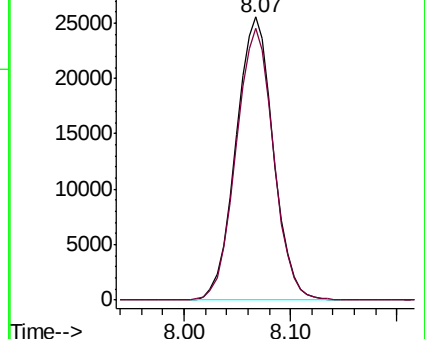
117 100

119 96.0 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: 24.027 ug/L

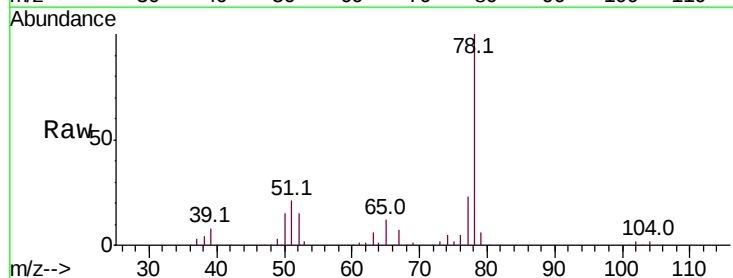
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

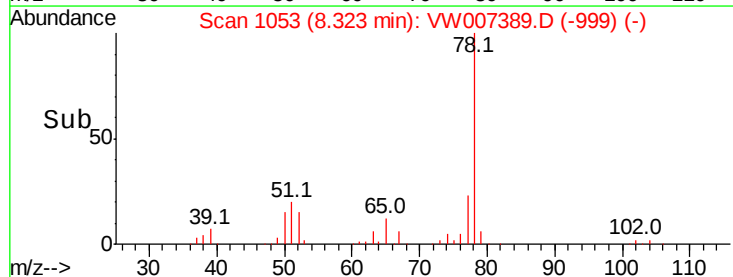
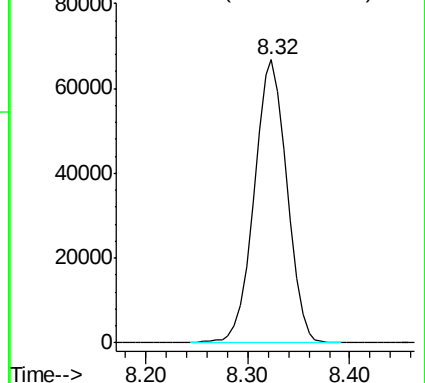
Lab File: VW007389.D

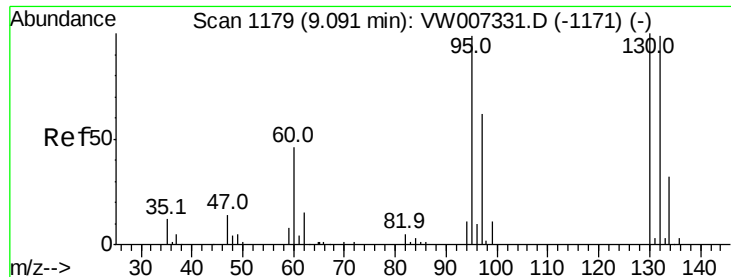
Acq: 11 Dec 2018 11:25

Tgt Ion: 78 Resp: 148840



Abundance Ion 78.00 (77.70 to 78.70): VW

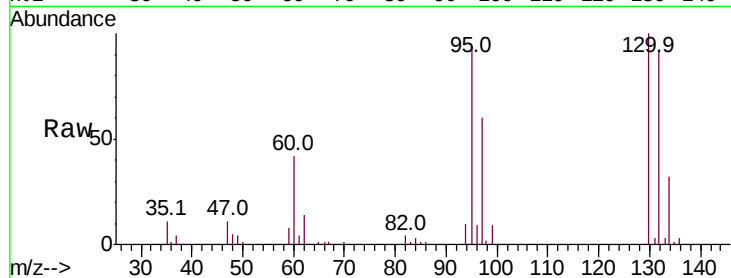




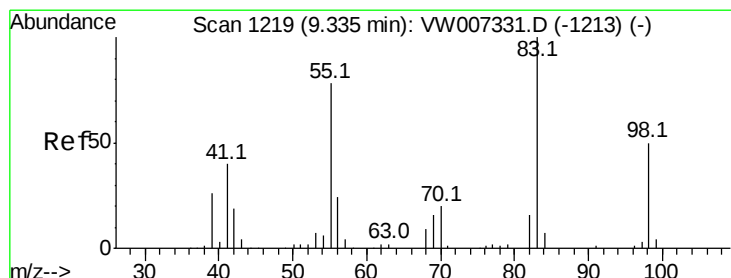
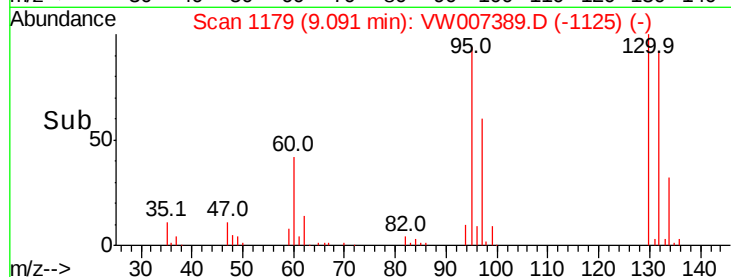
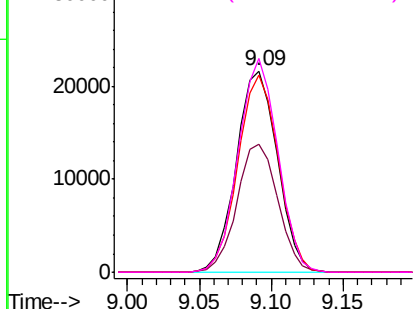
#35
 Trichloroethene
 Concen: 24.236 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 43051
 Ion Ratio Lower Upper
 95 100
 97 63.0 45.8 85.0
 132 96.3 68.0 126.4
 130 102.0 71.6 133.0

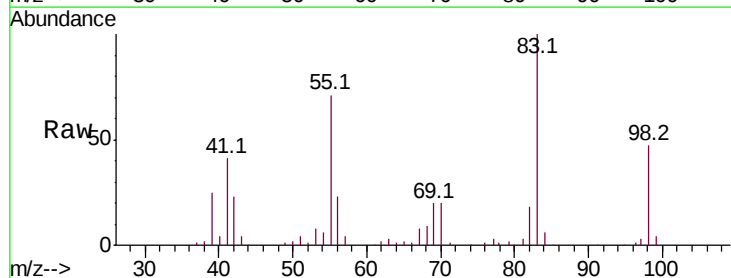


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

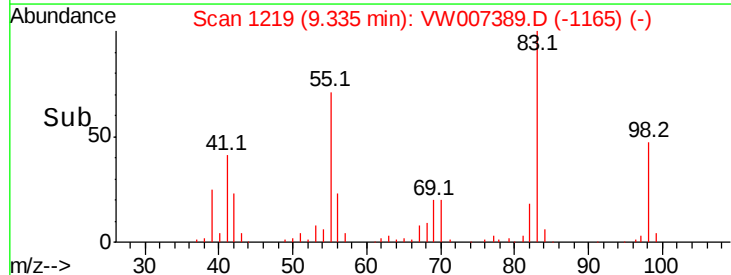
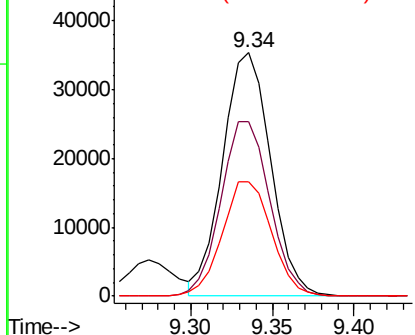


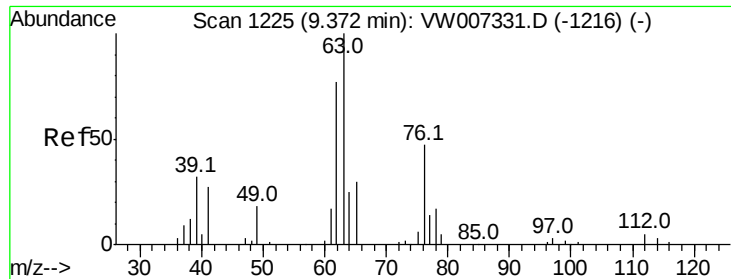
#36
 Methylcyclohexane
 Concen: 23.692 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Tgt Ion: 83 Resp: 72649
 Ion Ratio Lower Upper
 83 100
 55 73.1 59.4 89.2
 98 48.5 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: 23.907 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

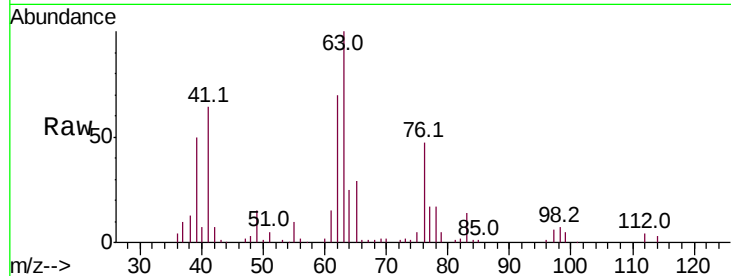
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 36226

Ion Ratio Lower Upper

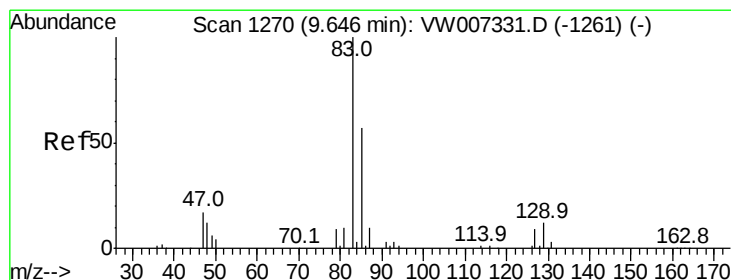
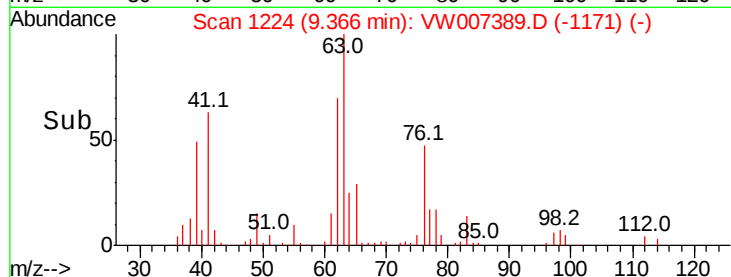
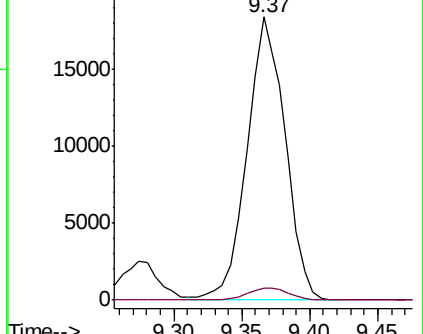
63 100

112 4.5 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.165 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

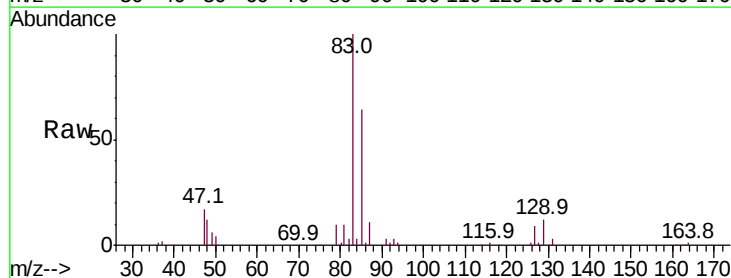
Tgt Ion: 83 Resp: 52577

Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.5

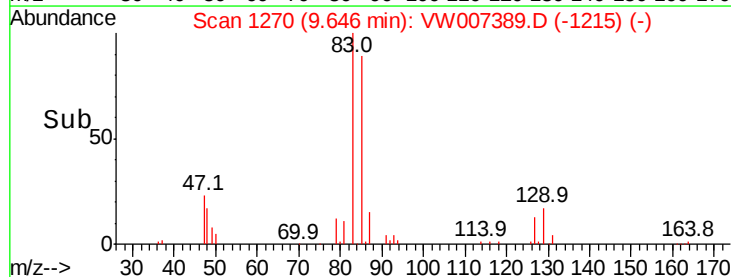
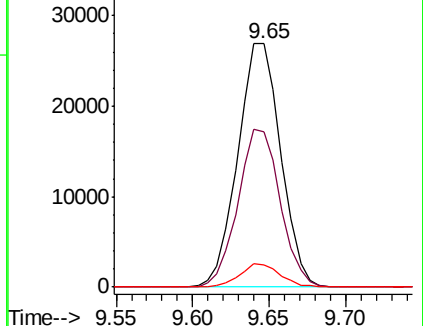
127 9.0 7.4 11.2

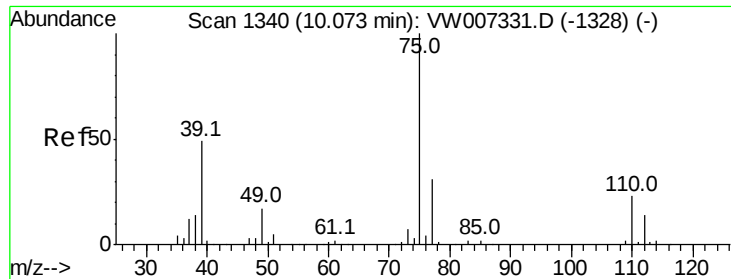


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.045 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

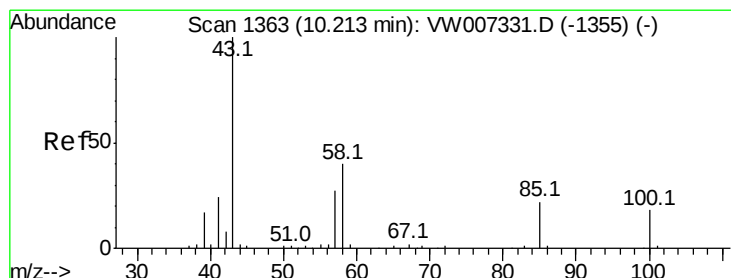
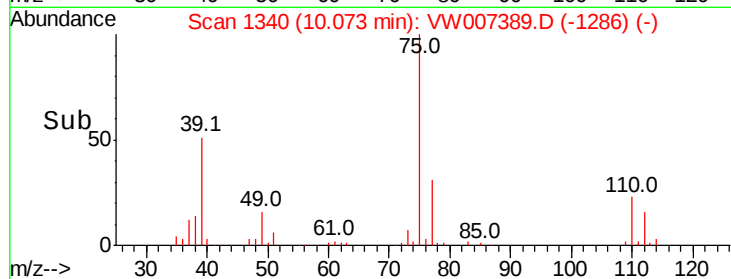
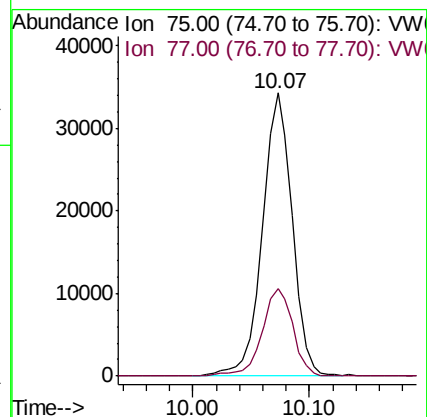
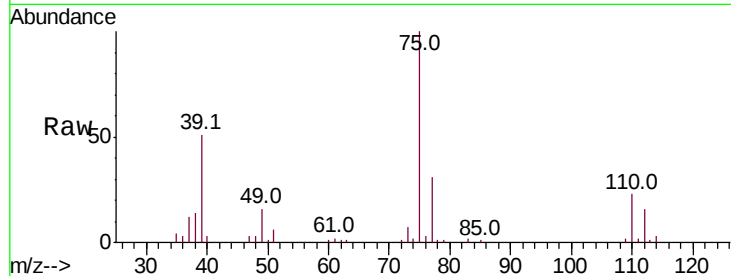
ClientSampled :

Tot Ion: 75 Resp: 61188

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.6



#43

4-Methyl-2-pentanone

Concen: 42.918 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

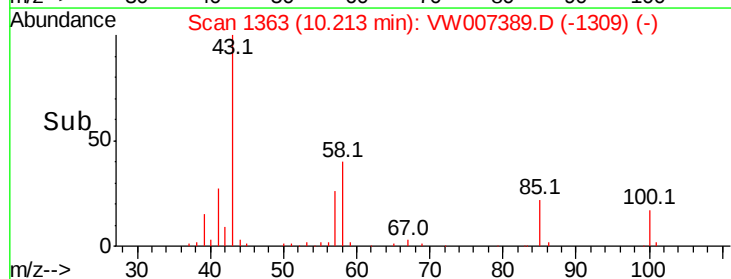
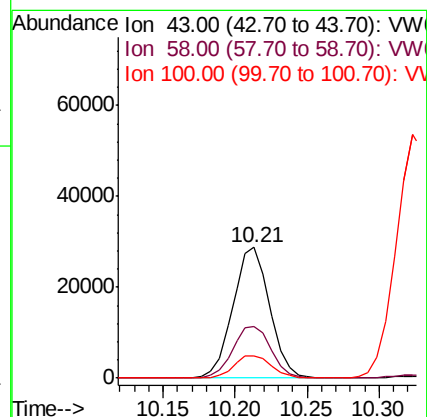
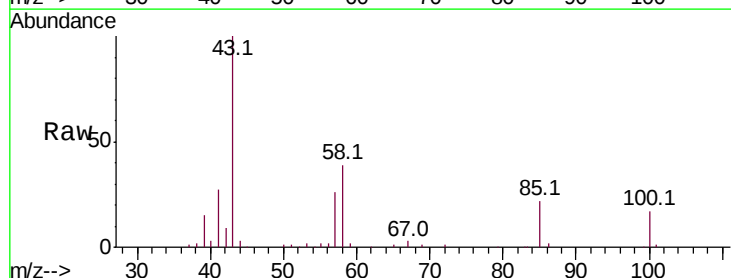
Tgt Ion: 43 Resp: 51475

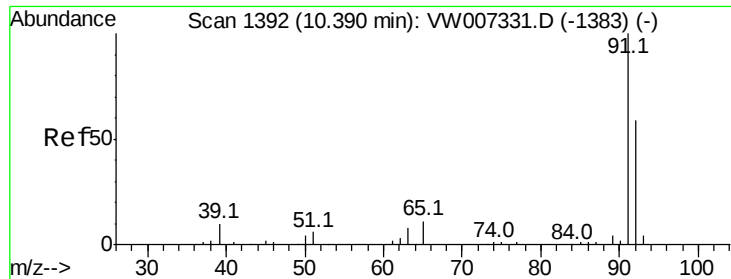
Ion Ratio Lower Upper

43 100

58 41.0 32.6 48.8

100 17.6 13.8 20.8





#44

Toluene

Concen: 24.771 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

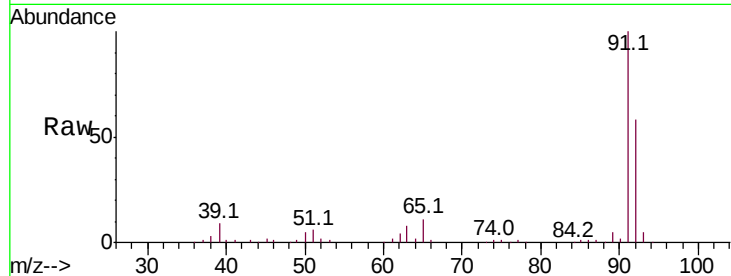
ClientSampled :

Tot Ion: 91 Resp: 165393

Ion Ratio Lower Upper

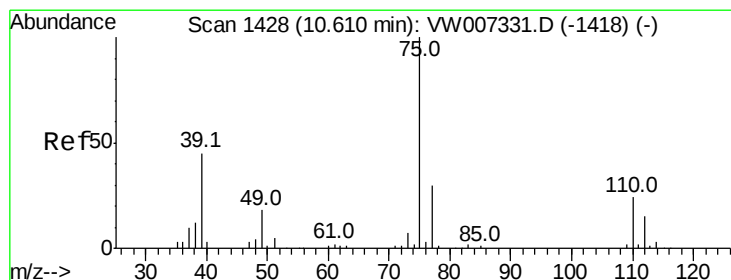
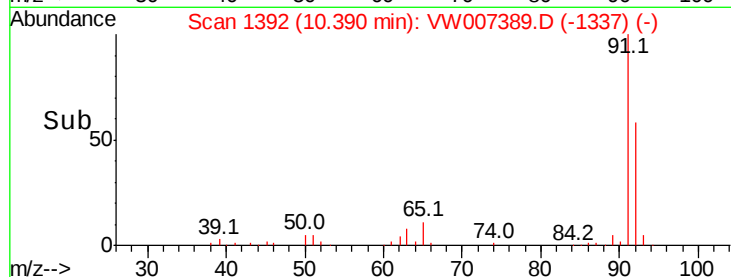
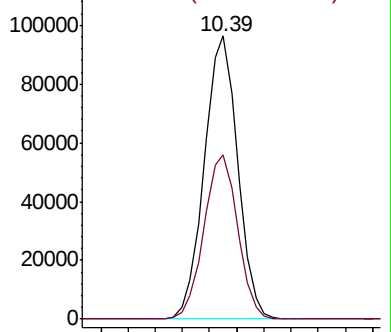
91 100

92 58.0 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 24.788 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007389.D

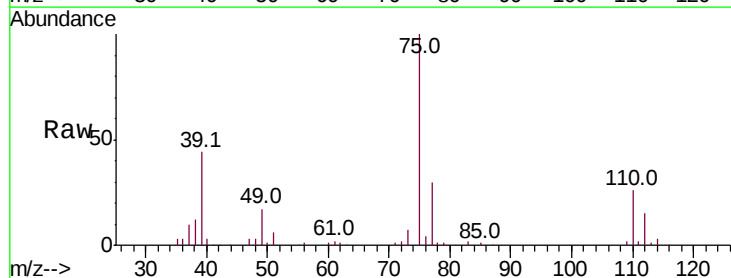
Acq: 11 Dec 2018 11:25

Tgt Ion: 75 Resp: 55396

Ion Ratio Lower Upper

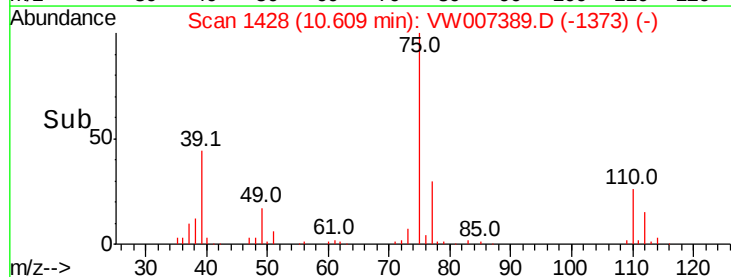
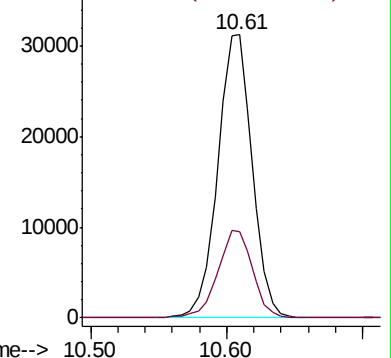
75 100

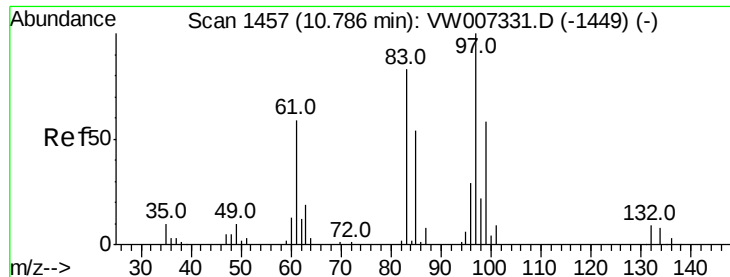
77 30.4 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 24.580 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 30669

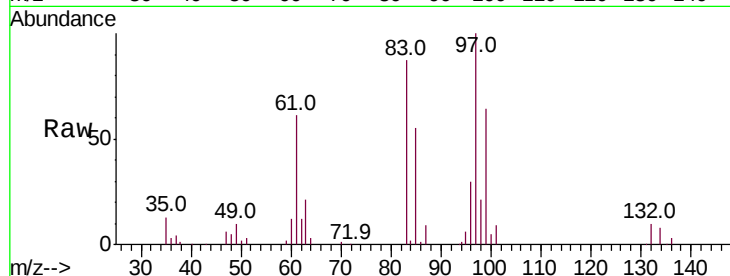
Ion Ratio Lower Upper

97 100

83 86.5 61.2 113.8

85 55.3 42.5 78.9

99 63.8 45.7 84.9

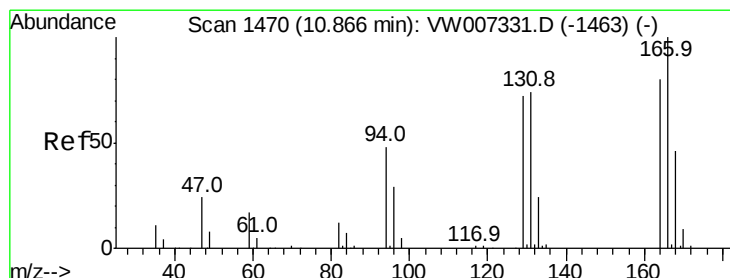
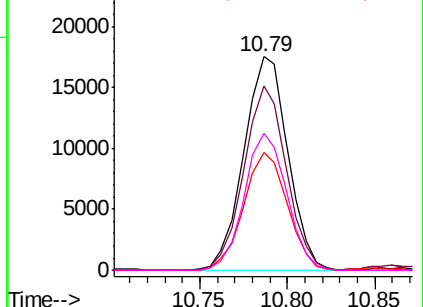
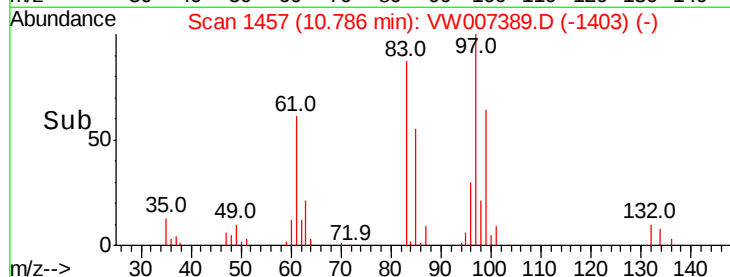


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.734 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Tgt Ion: 164 Resp: 33188

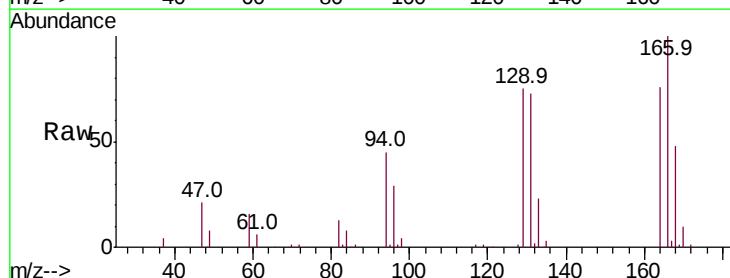
Ion Ratio Lower Upper

164 100

129 99.1 70.8 131.6

131 96.1 70.4 130.8

166 131.6 84.2 156.4

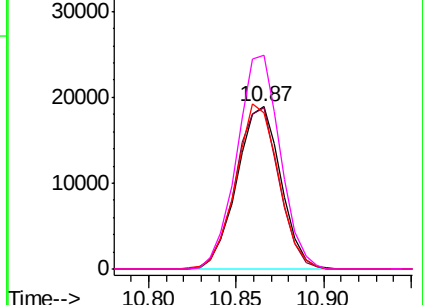
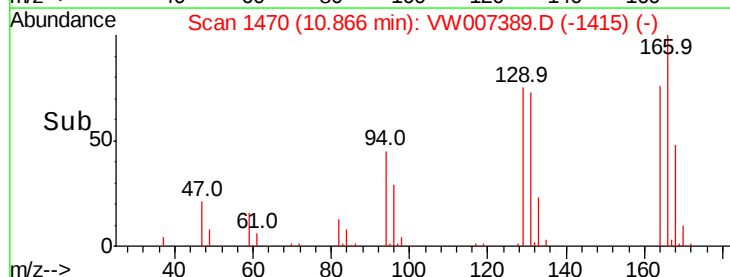


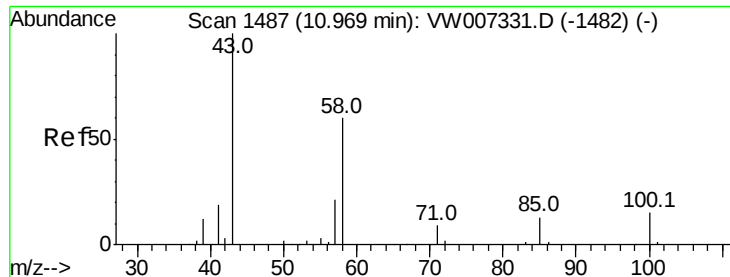
Abundance Ion 164.00 (163.70 to 164.70): V

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: 45.752 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 38567

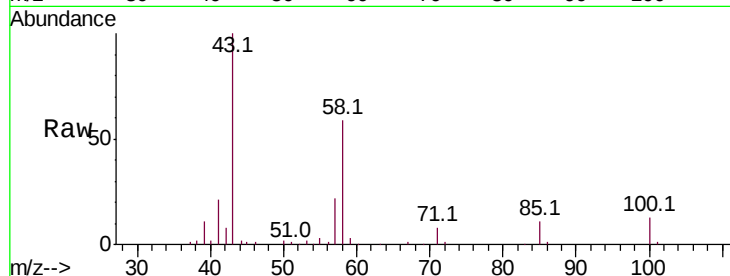
Ion Ratio Lower Upper

43 100

58 56.1 47.2 70.8

57 21.0 17.6 26.4

100 13.6 12.2 18.2

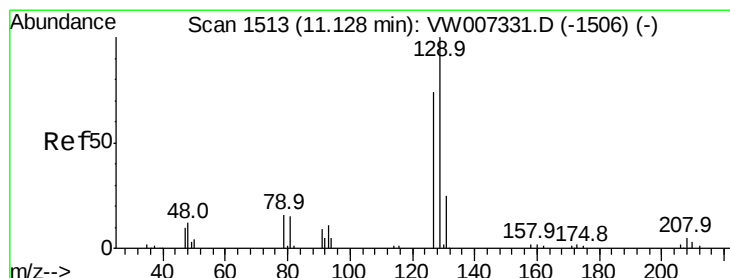
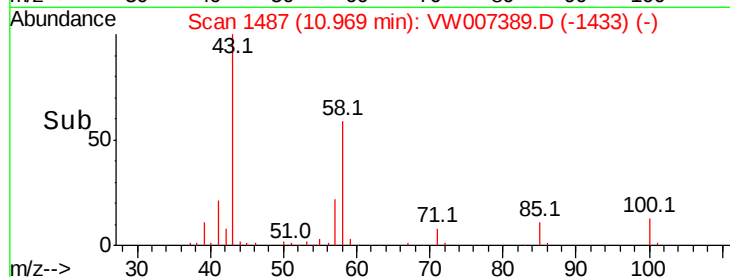
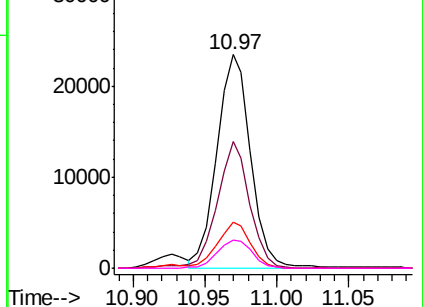


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.965 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007389.D

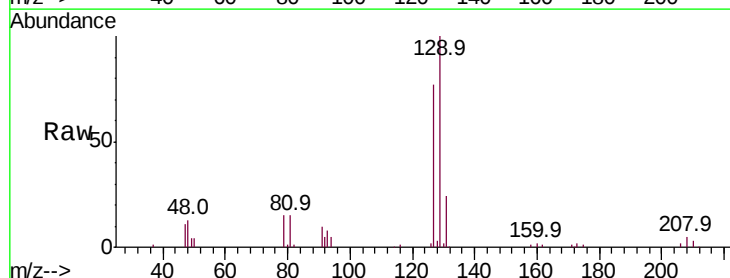
Acq: 11 Dec 2018 11:25

Tgt Ion: 129 Resp: 38267

Ion Ratio Lower Upper

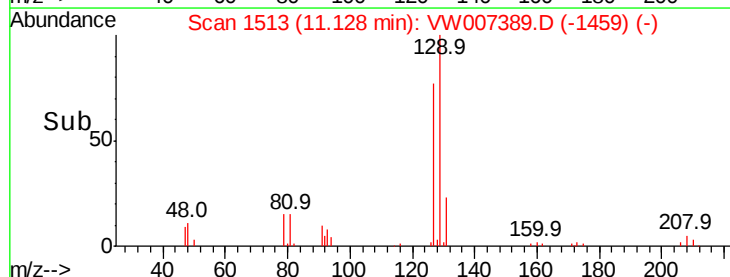
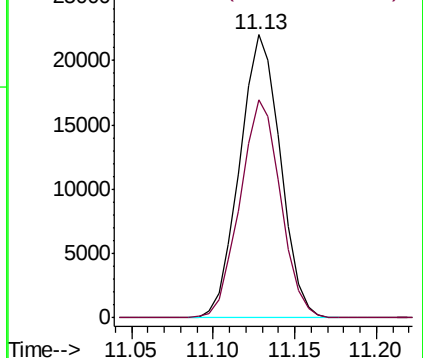
129 100

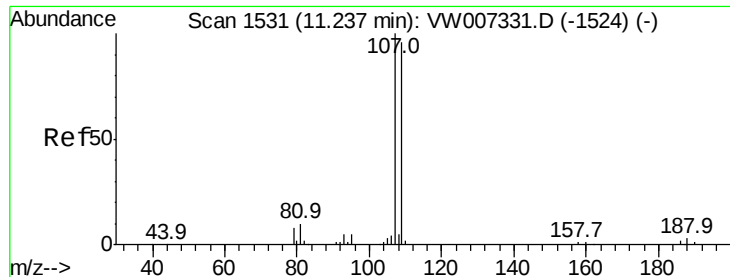
127 77.0 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

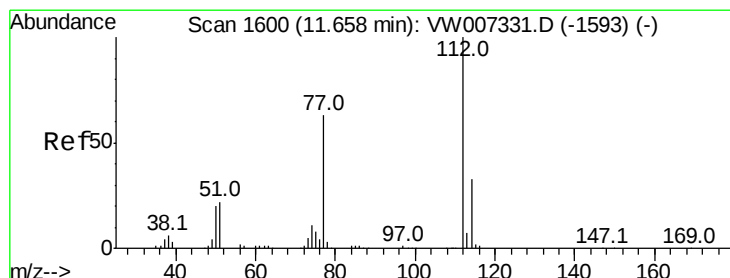
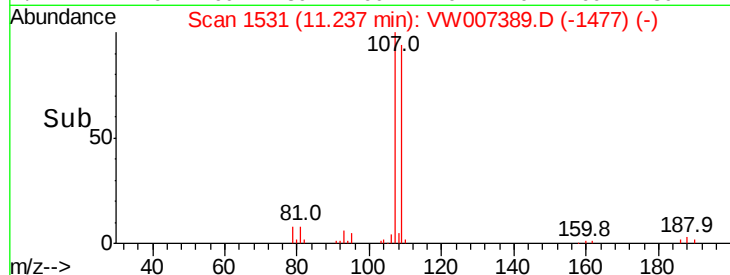
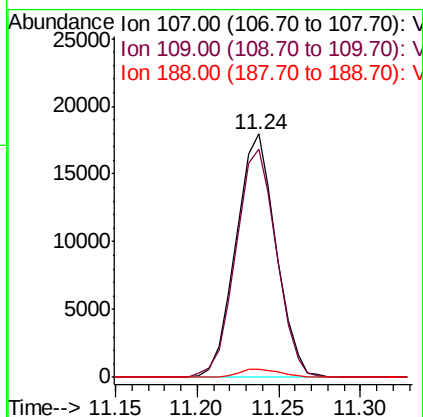
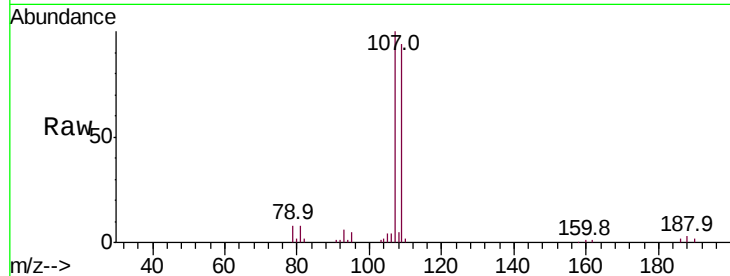




#51
 1,2-Dibromoethane
 Concen: 24.483 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

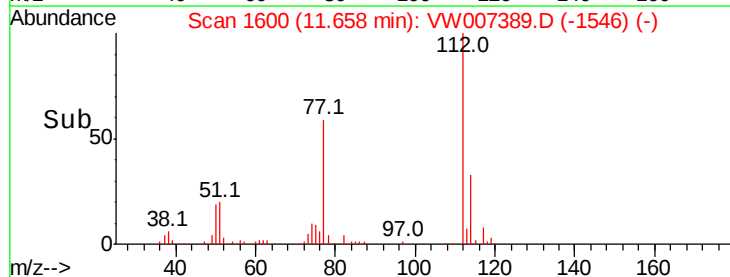
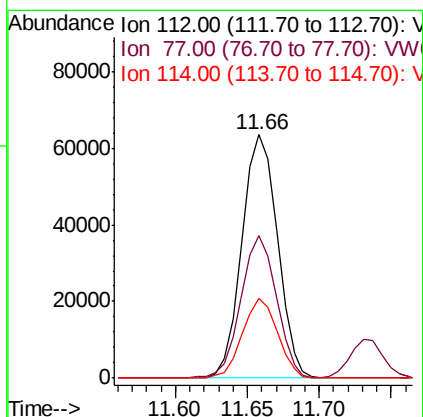
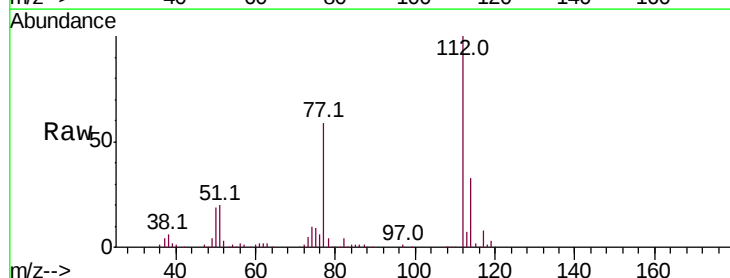
Instrument :
 MSVOA_W
 ClientSampleId :

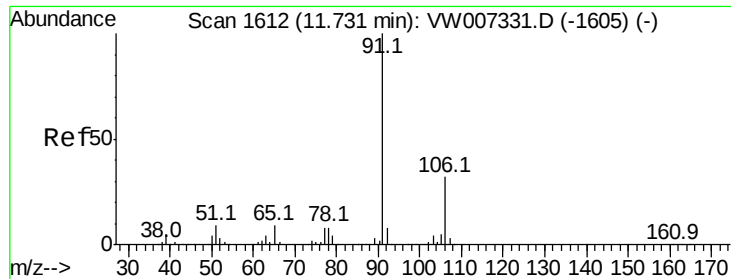
Tot Ion:107 Resp: 30680
 Ion Ratio Lower Upper
 107 100
 109 93.6 67.6 125.6
 188 3.2 2.6 4.0



#52
 Chlorobenzene
 Concen: 25.144 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Tgt Ion:112 Resp: 108958
 Ion Ratio Lower Upper
 112 100
 77 58.5 42.6 63.8
 114 33.0 23.0 42.8

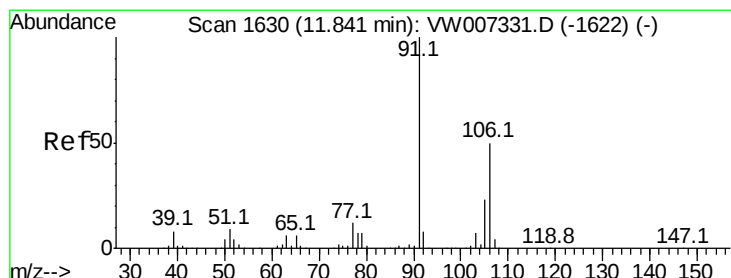
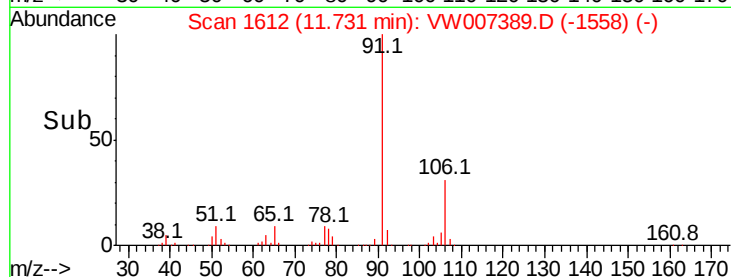
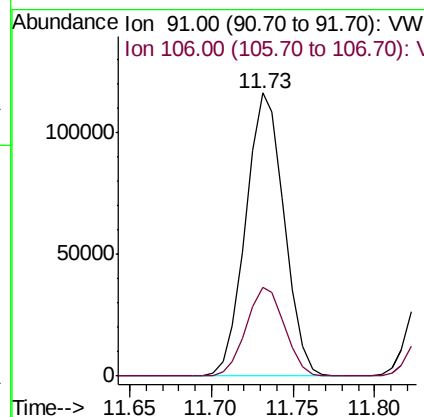
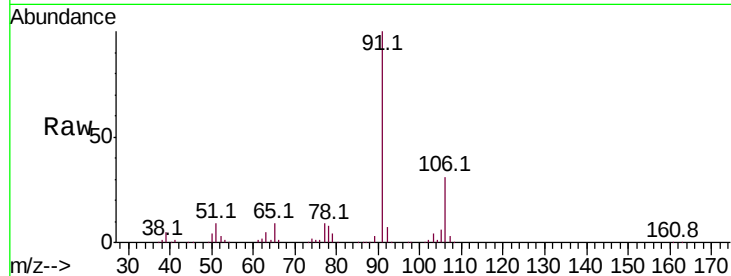




#53
Ethylbenzene
Concen: 25.383 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

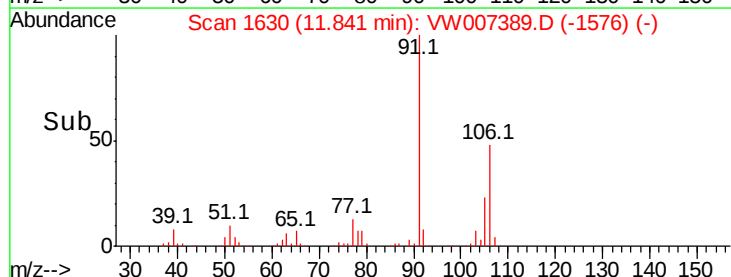
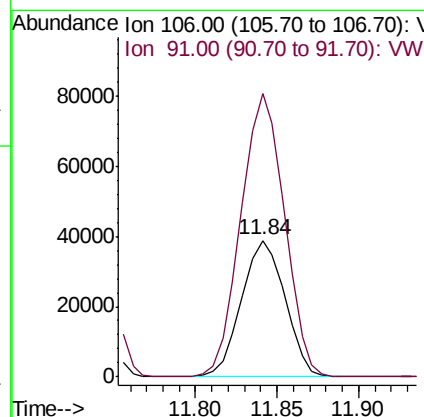
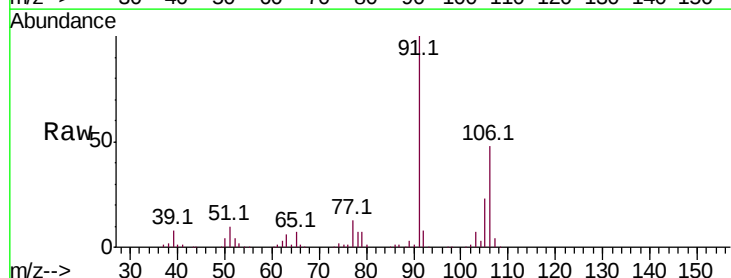
Instrument :
MSVOA_W
ClientSampleId :

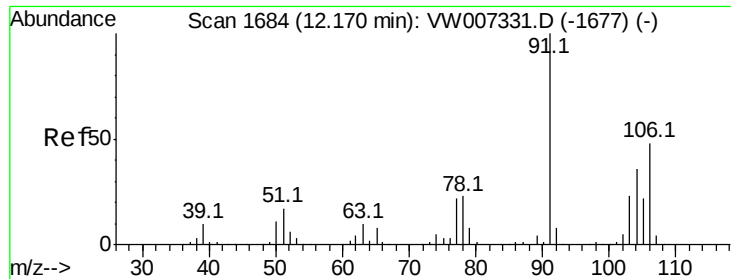
Tot Ion: 91 Resp: 190570
Ion Ratio Lower Upper
91 100
106 31.2 20.2 37.4



#54
m,p-Xylene
Concen: 25.394 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

Tgt Ion:106 Resp: 72425
Ion Ratio Lower Upper
106 100
91 207.5 132.2 245.6





#55

o-xylene

Concen: 25.900 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

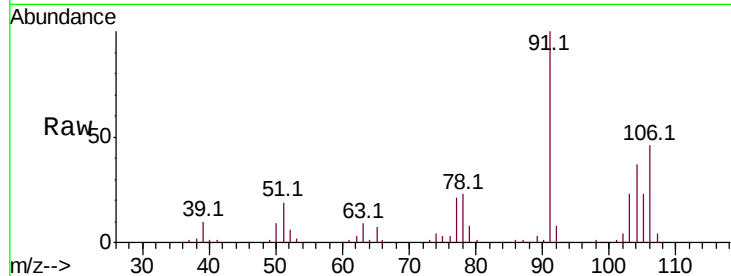
ClientSampleId :

Tot Ion:106 Resp: 69807

Ion Ratio Lower Upper

106 100

91 216.0 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

100000

80000

60000

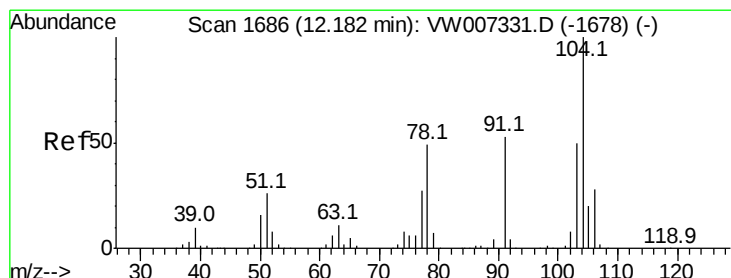
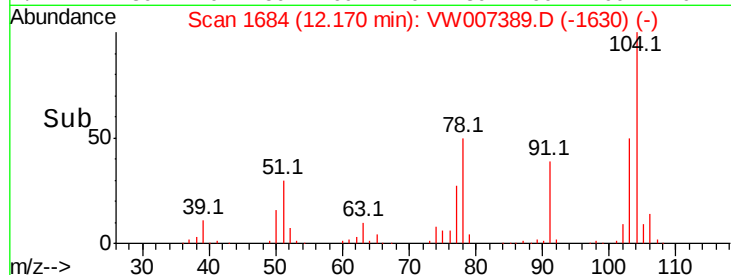
40000

20000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 25.831 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007389.D

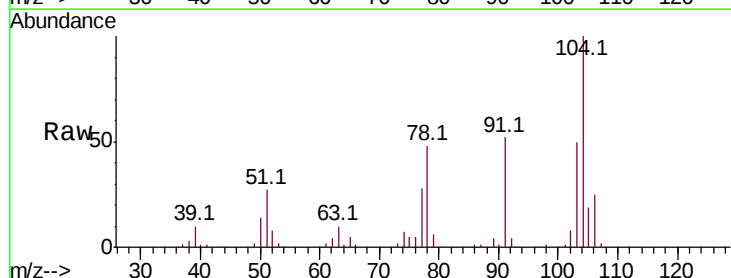
Acq: 11 Dec 2018 11:25

Tgt Ion:104 Resp: 119341

Ion Ratio Lower Upper

104 100

78 48.3 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

80000

60000

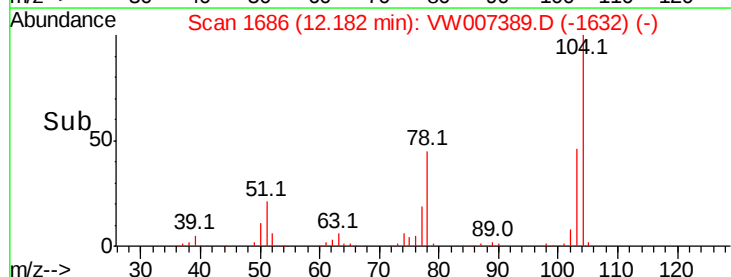
40000

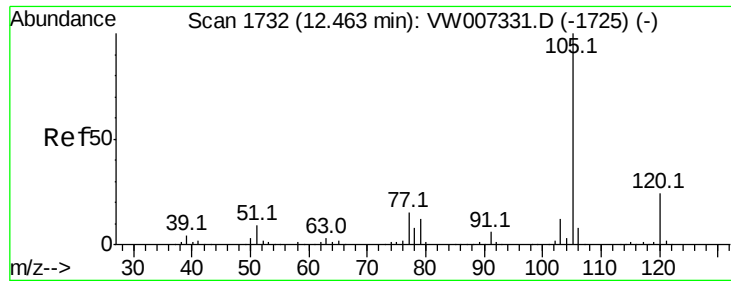
20000

0

12.10 12.15 12.20 12.25

Time-->





#57

Isopropylbenzene

Concen: 25.992 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

ClientSampleId :

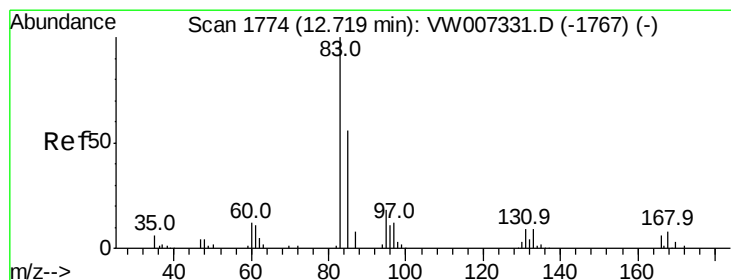
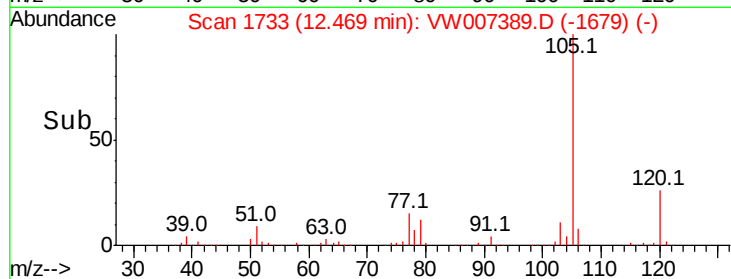
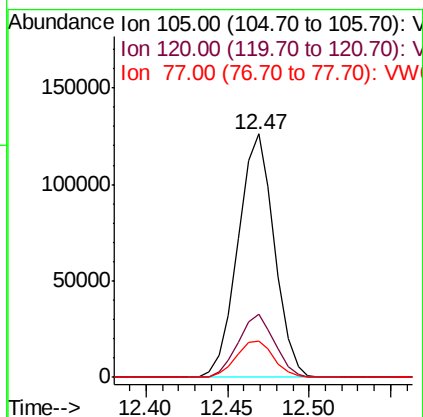
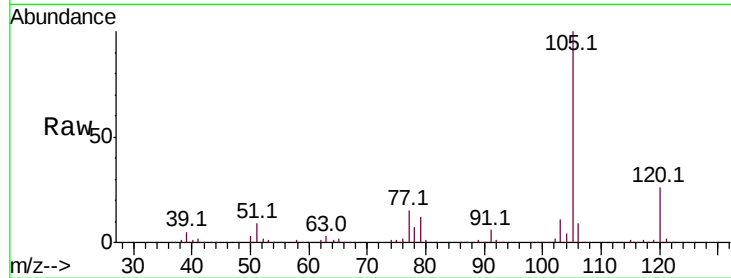
Tot Ion:105 Resp: 195524

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

77 15.4 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 24.554 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

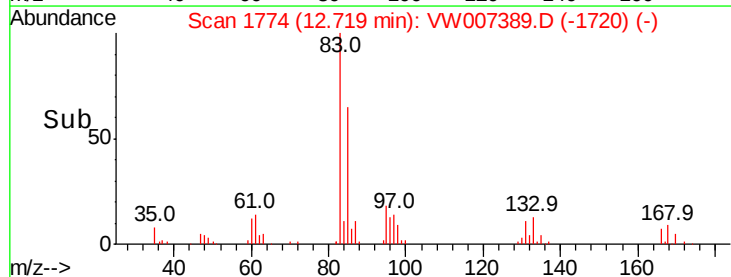
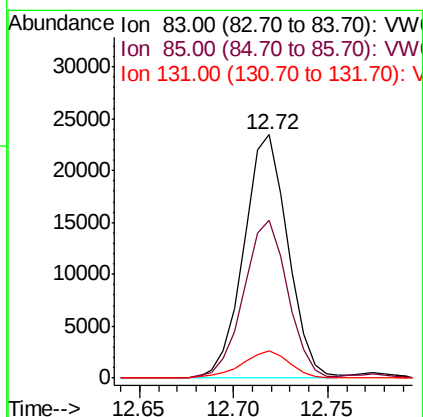
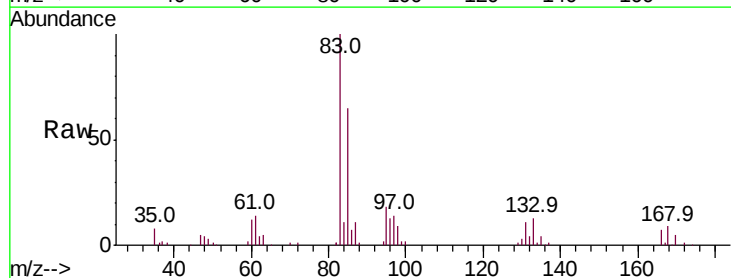
Tgt Ion: 83 Resp: 37979

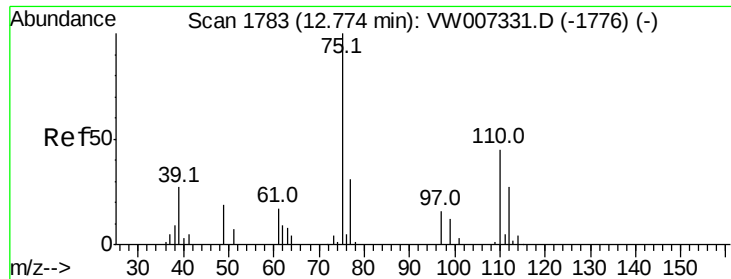
Ion Ratio Lower Upper

83 100

85 64.7 46.2 85.8

131 11.0 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 24.293 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

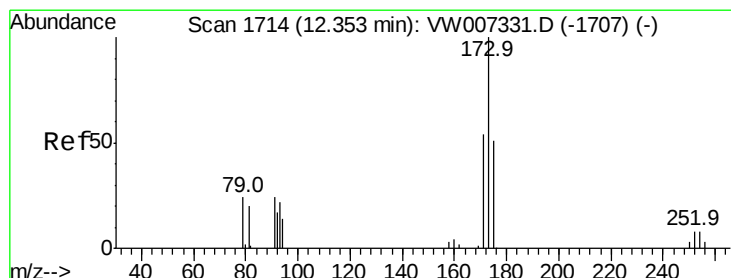
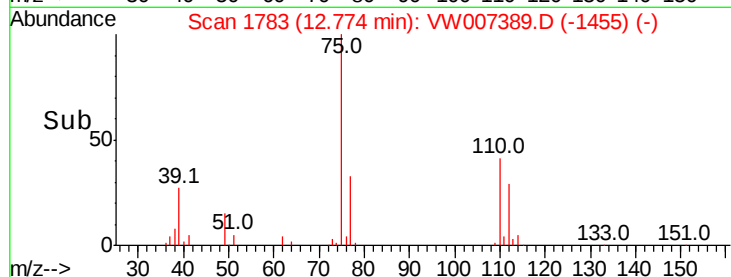
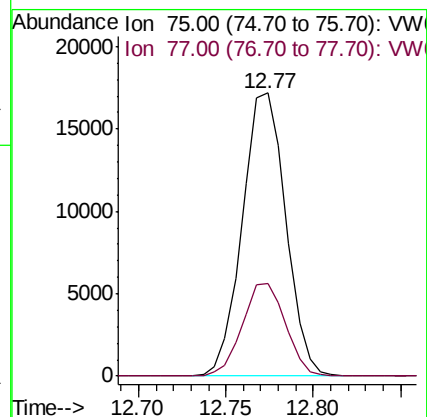
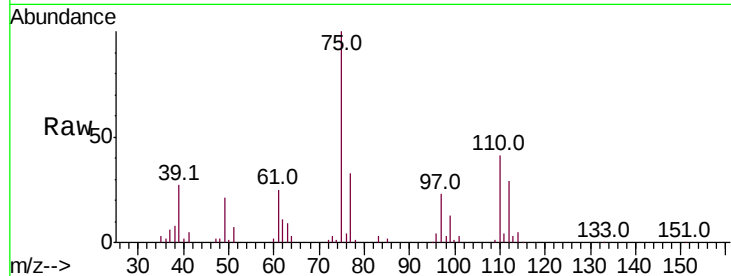
ClientSampleId :

Tot Ion: 75 Resp: 29743

Ion Ratio Lower Upper

75 100

77 32.7 26.5 39.7



#62

Bromoform

Concen: 24.049 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

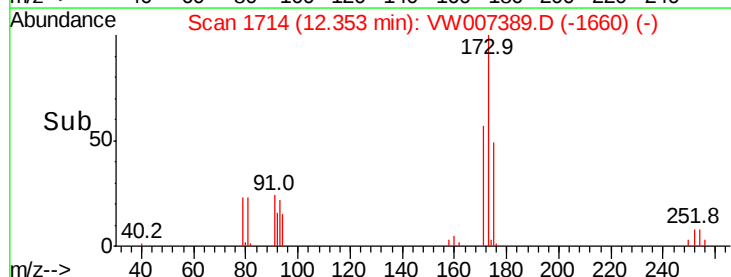
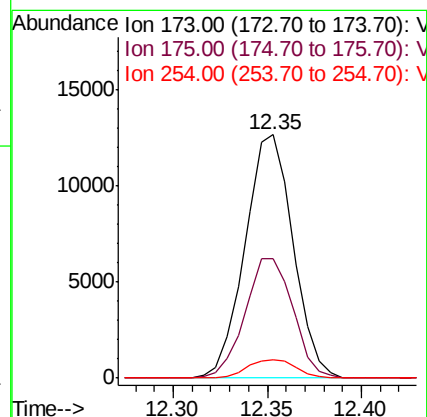
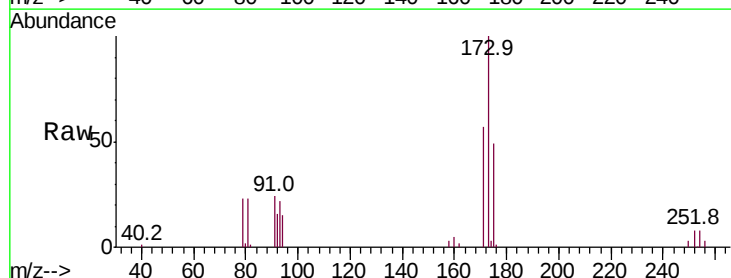
Tgt Ion: 173 Resp: 22355

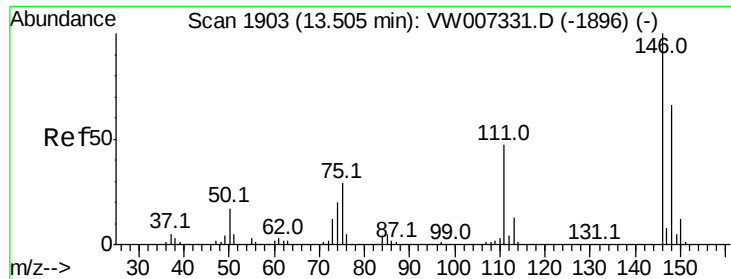
Ion Ratio Lower Upper

173 100

175 49.2 38.6 58.0

254 7.7 6.4 9.6

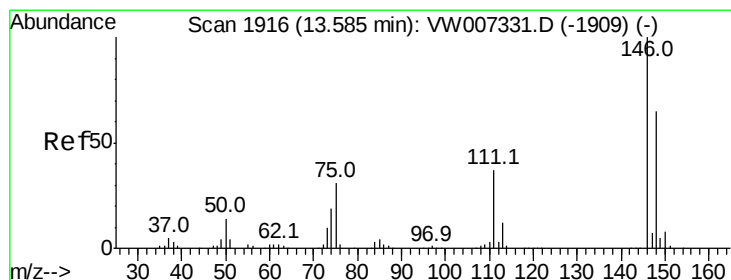
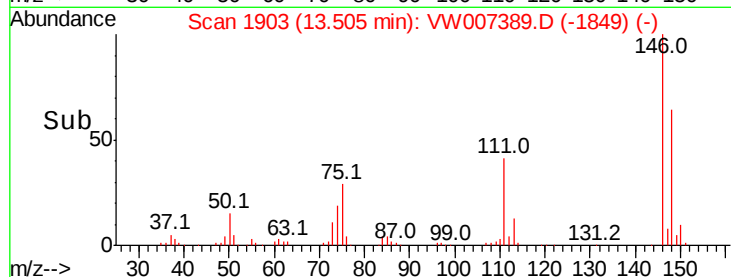
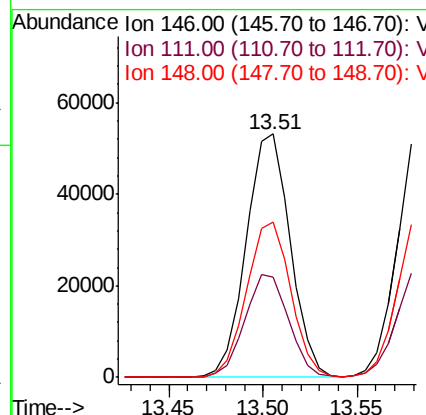
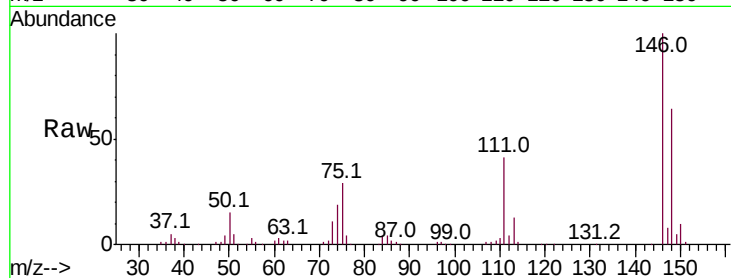




#63
 1,3-Dichlorobenzene
 Concen: 24.758 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

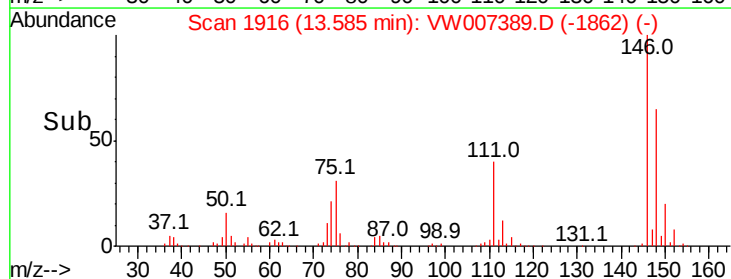
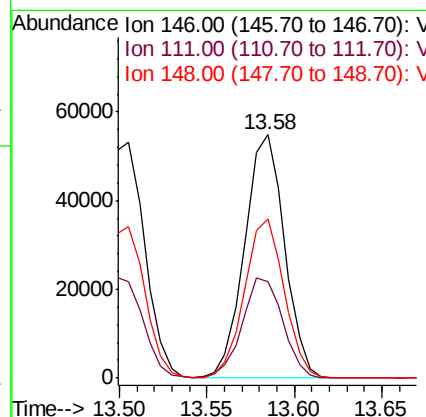
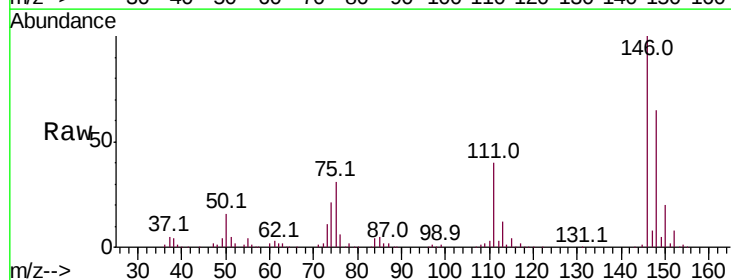
Instrument :
 MSVOA_W
 ClientSampleId :

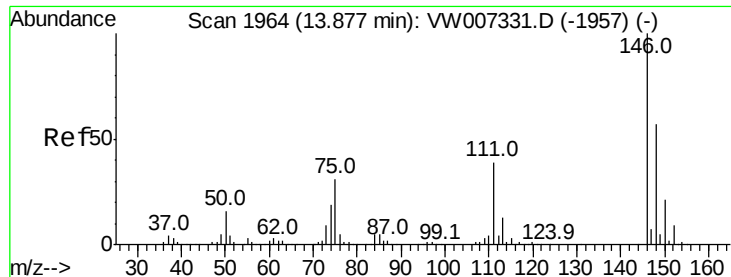
Tot Ion:146 Resp: 86333
 Ion Ratio Lower Upper
 146 100
 111 40.9 31.0 57.6
 148 63.9 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 25.125 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Tgt Ion:146 Resp: 87343
 Ion Ratio Lower Upper
 146 100
 111 39.7 24.8 46.0
 148 65.4 38.7 71.9





#65

1,2-Dichlorobenzene

Concen: 25.626 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

Instrument :

MSVOA_W

ClientSampleId :

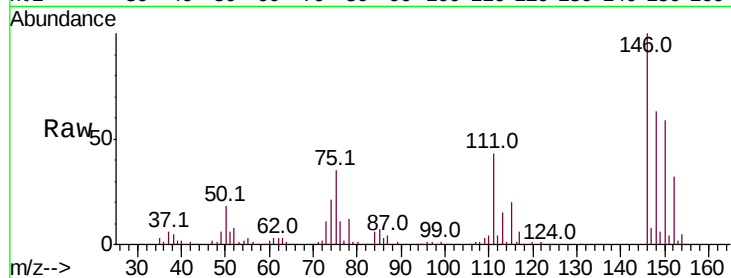
Tot Ion:146 Resp: 79974

Ion Ratio Lower Upper

146 100

111 43.3 39.3 58.9

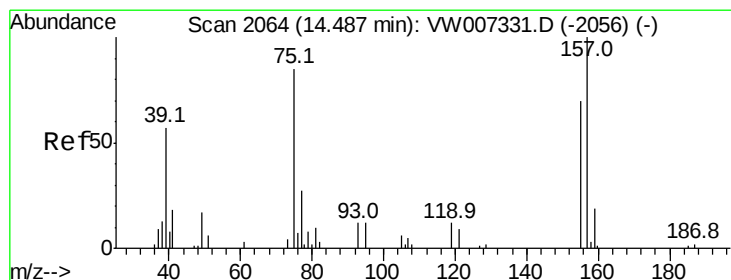
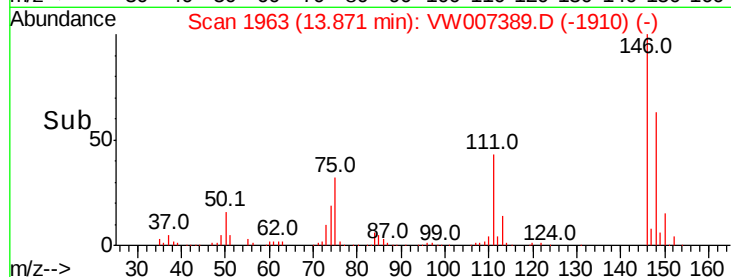
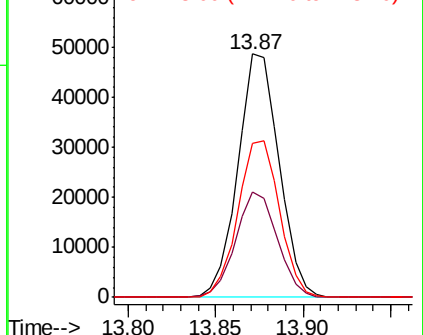
148 63.1 51.8 77.8



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: 23.205 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007389.D

Acq: 11 Dec 2018 11:25

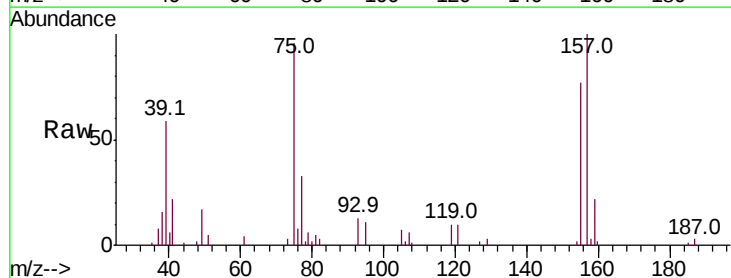
Tgt Ion: 75 Resp: 7670

Ion Ratio Lower Upper

75 100

157 103.8 86.0 129.0

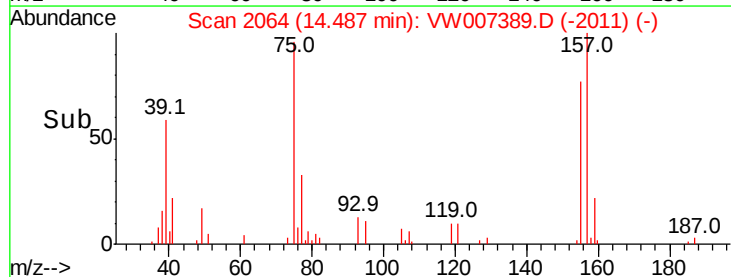
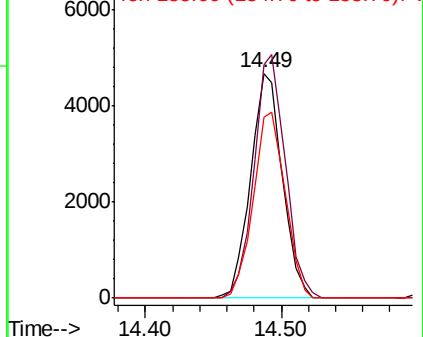
155 80.3 64.9 97.3

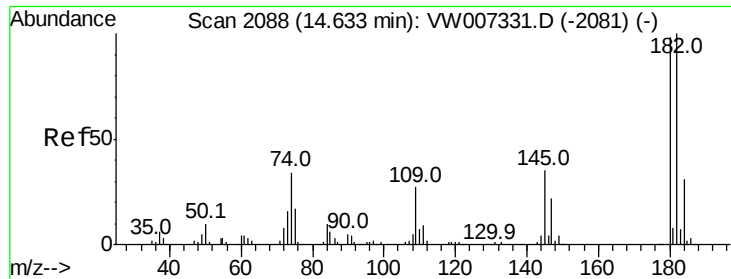


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

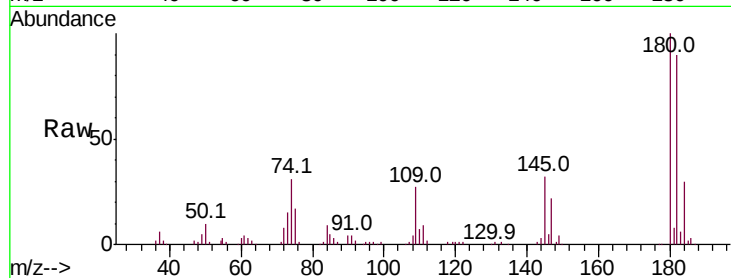




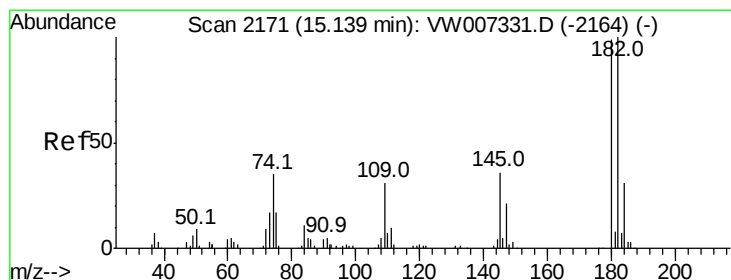
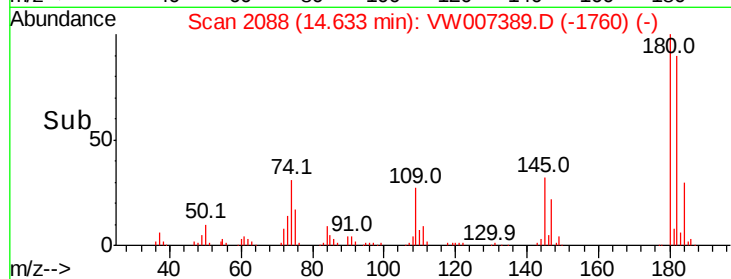
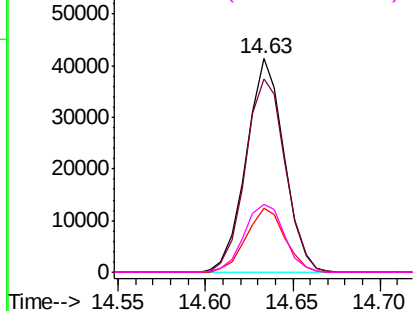
#67
 1,3,5-Trichlorobenzene
 Concen: 24.801 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 62648
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.6 111.8
 184 30.7 24.7 37.1
 145 33.4 27.2 40.8

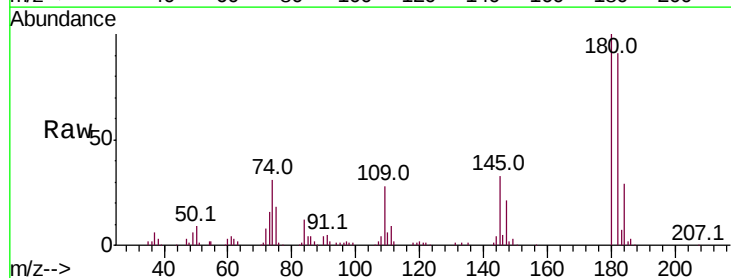


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

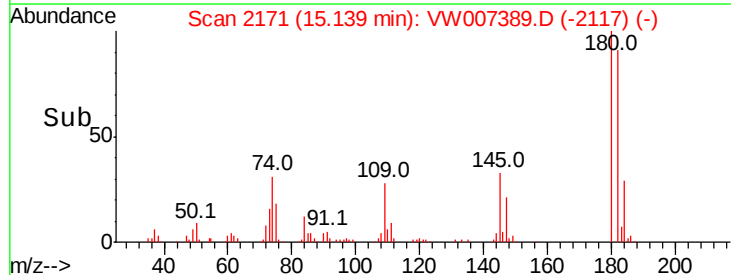
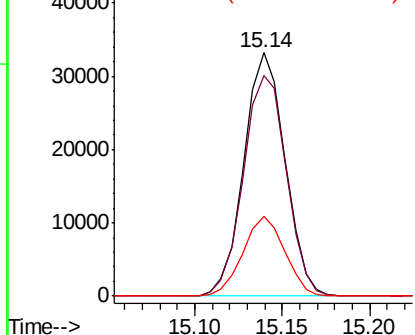


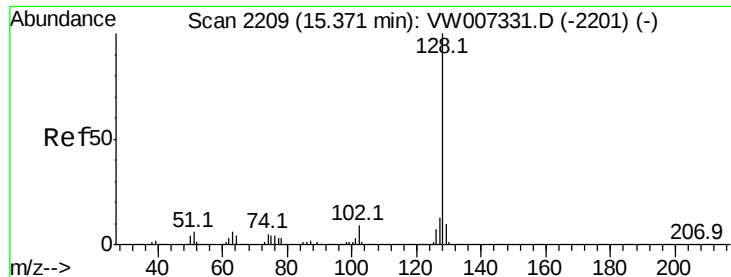
#68
 1,2,4-trichlorobenzene
 Concen: 25.061 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007389.D
 Acq: 11 Dec 2018 11:25

Tgt Ion:180 Resp: 54576
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.4 116.2
 145 33.1 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

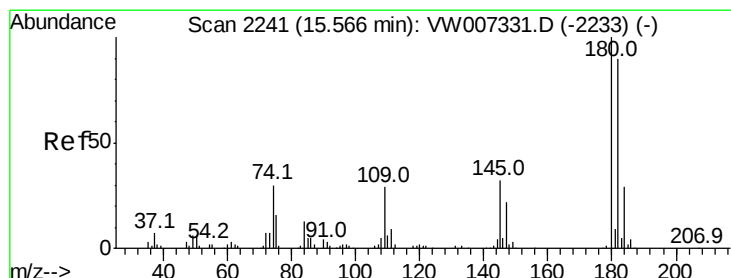
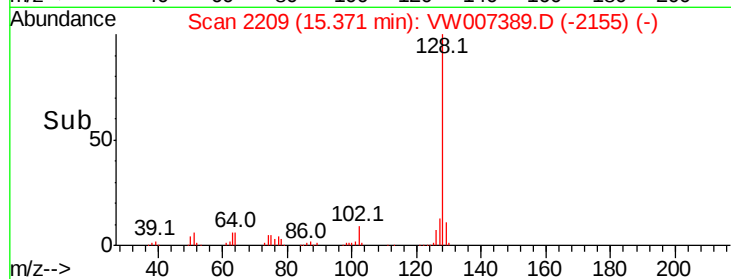
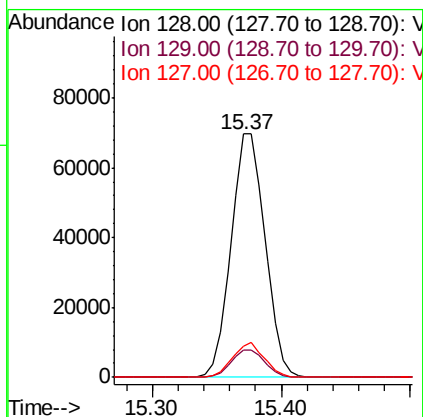
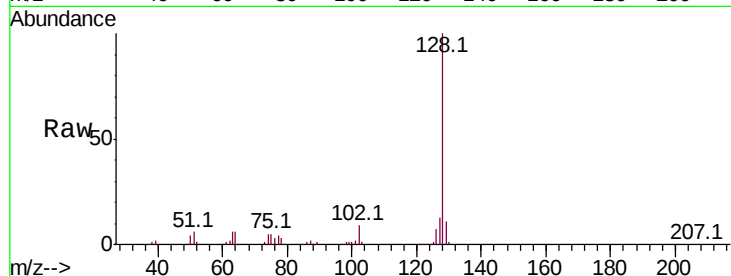




#69
Naphthalene
Concen: 23.823 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 128238
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 24.620 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007389.D
Acq: 11 Dec 2018 11:25

Tgt Ion:180 Resp: 48745
Ion Ratio Lower Upper
180 100
182 95.8 76.2 114.4
145 36.2 27.4 41.0

