

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\
 Data File : VW005823.D
 Acq On : 03 Oct 2018 19:22
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 05:18:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 04 05:16:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	265369	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	258810	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	135792	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	59322	17.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.16%
7) Chloroethane-d5	2.89	69	51906	19.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.68%
10) 1,1-Dichloroethene-d2	4.02	63	148504	20.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.44%
20) 2-Butanone-d5	7.08	46	52615	48.45	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.90%
24) Chloroform-d	7.65	84	154721	22.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	8.31	65	94479	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	8.28	84	283394	22.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.48%
33) 1,2-Dichloropropane-d6	9.28	67	85877	23.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.76%
37) Toluene-d8	10.33	98	268505	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.92%
38) trans-1,3-Dichloropropene-	10.58	79	40780	20.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.88%
39) 2-Hexanone-d5	10.93	63	42747	49.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.60%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	85836	23.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	109408	22.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	72987	23.456	ug/L 96
3) Chloromethane	2.21	50	57852	19.958	ug/L 99
5) Vinyl chloride	2.37	62	93772	22.436	ug/L 97
6) Bromomethane	2.78	94	55948	22.249	ug/L 96
8) Chloroethane	2.93	64	53063	22.834	ug/L 96
9) Trichlorofluoromethane	3.26	101	66134	20.709	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	88844	24.627	ug/L 98
12) 1,1-Dichloroethene	4.04	96	82522	23.950	ug/L 95
13) Acetone	4.12	43	46518	41.131	ug/L 69
14) Carbon disulfide	4.37	76	230841	21.368	ug/L 100
15) Methyl Acetate	4.67	43	47900	23.865	ug/L 99
16) Methylene chloride	4.91	84	95381	21.799	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	128250	23.394	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	84074	23.726	ug/L 98
19) 1,1-Dichloroethane	6.21	63	159402	24.310	ug/L 95
21) 2-Butanone	7.18	43	60421	44.610	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	91671	23.799	ug/L 91

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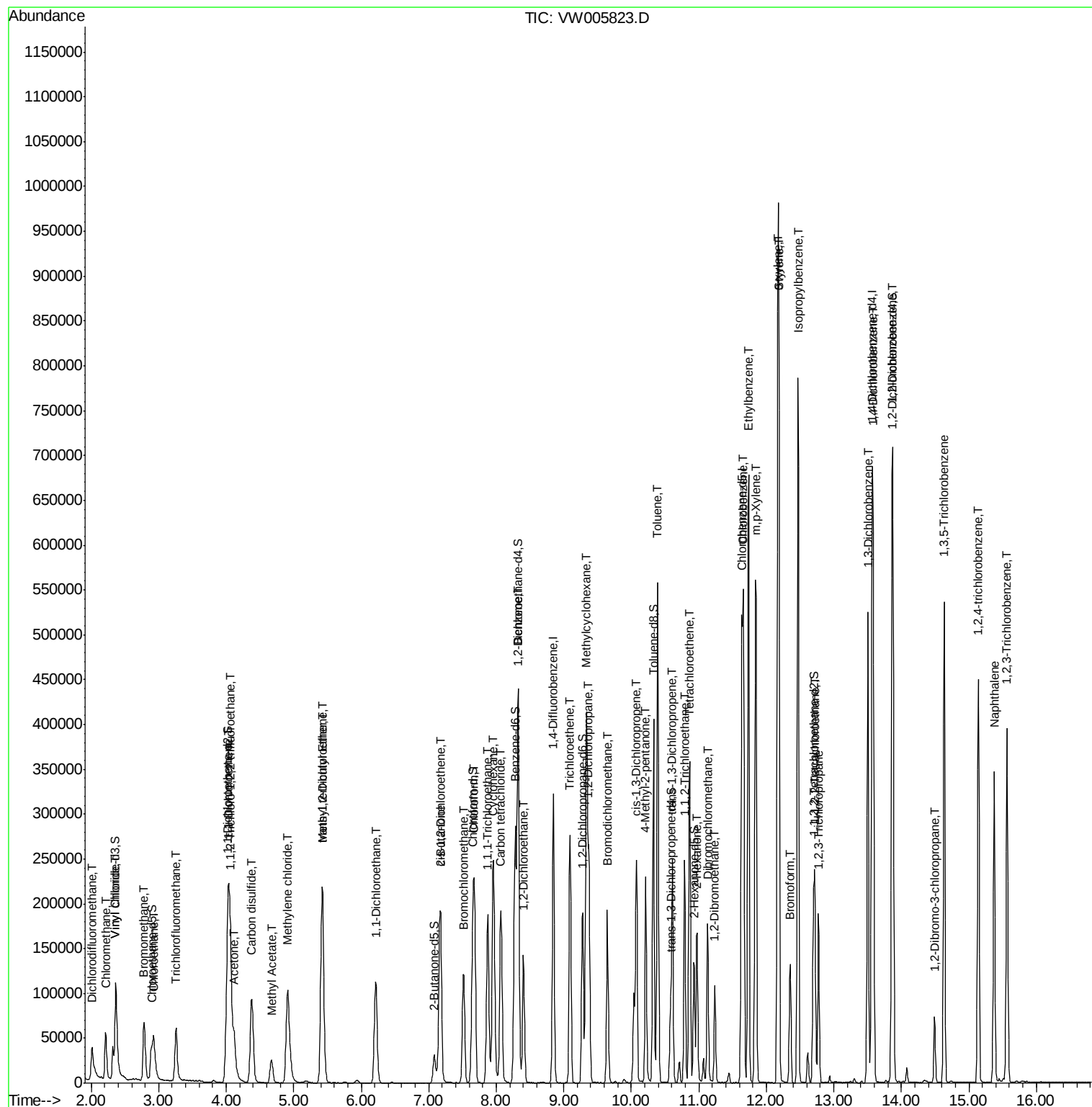
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	44068	24.651	ug/L	99
25) Chloroform	7.68	83	177544	25.307	ug/L	100
27) 1,2-Dichloroethane	8.40	62	130471	25.259	ug/L	100
30) Cyclohexane	7.96	56	134978	23.011	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	154543	24.384	ug/L	99
32) Carbon tetrachloride	8.07	117	151664	24.573	ug/L	99
34) Benzene	8.32	78	354321	24.229	ug/L	100
35) Trichloroethene	9.09	95	96902	24.769	ug/L	98
36) Methylcyclohexane	9.34	83	163007	23.961	ug/L	99
40) 1,2-Dichloropropane	9.37	63	91386	25.643	ug/L	99
41) Bromodichloromethane	9.65	83	125090	24.965	ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	142609	24.231	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	141458	48.639	ug/L	100
44) Toluene	10.39	91	401990	24.599	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	133405	24.343	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	73362	24.669	ug/L	97
47) Tetrachloroethene	10.87	164	82610	23.968	ug/L	98
49) 2-Hexanone	10.97	43	101371	49.656	ug/L	99
50) Dibromochloromethane	11.13	129	93713	25.127	ug/L	96
51) 1,2-Dibromoethane	11.24	107	70749	24.608	ug/L	91
52) Chlorobenzene	11.66	112	263853	24.543	ug/L	99
53) Ethylbenzene	11.74	91	464703	24.835	ug/L	100
54) m,p-Xylene	11.84	106	176455	25.032	ug/L	97
55) o-xylene	12.17	106	166432	25.049	ug/L	99
56) Styrene	12.19	104	300329	25.757	ug/L	98
57) Isopropylbenzene	12.47	105	478451	25.211	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	96925	25.549	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	77988	25.325	ug/L	98
62) Bromoform	12.35	173	62599	25.924	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	213495	24.752	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	218474	24.254	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	210200	25.327	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	19758	25.037	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	173994	24.578	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	145667	25.049	ug/L	99
69) Naphthalene	15.38	128	295268	25.340	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	138122	25.343	ug/L	99

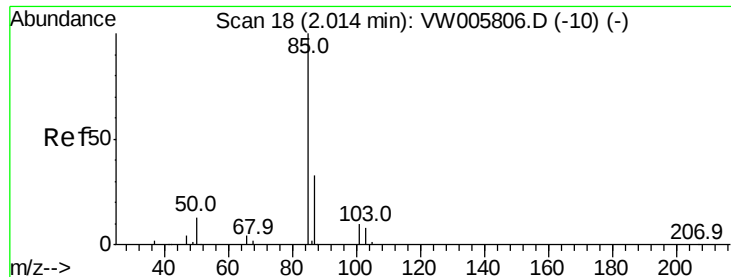
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.456 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

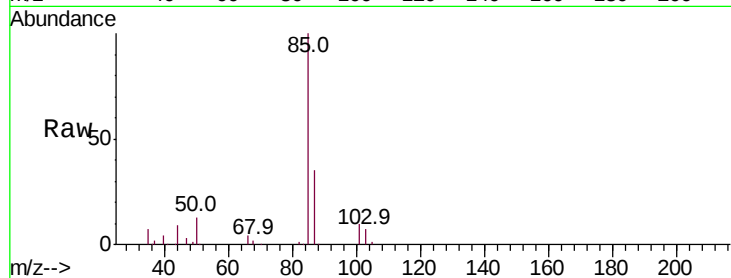
ClientSampled :

Tot Ion: 85 Resp: 72987

Ion Ratio Lower Upper

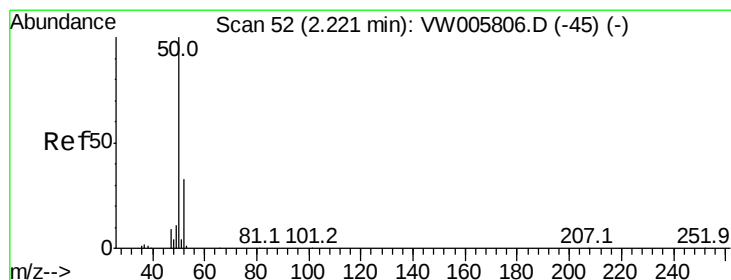
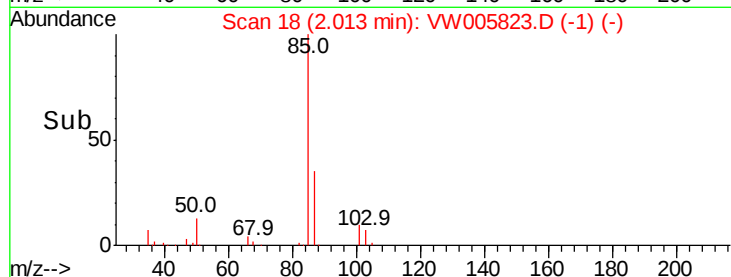
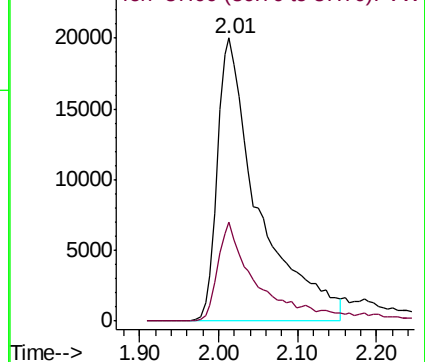
85 100

87 29.2 19.2 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.958 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW005823.D

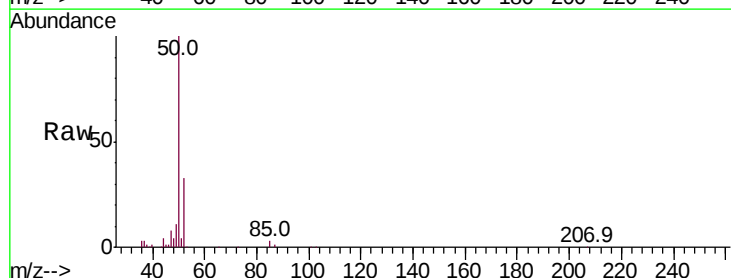
Acq: 03 Oct 2018 19:22

Tgt Ion: 50 Resp: 57852

Ion Ratio Lower Upper

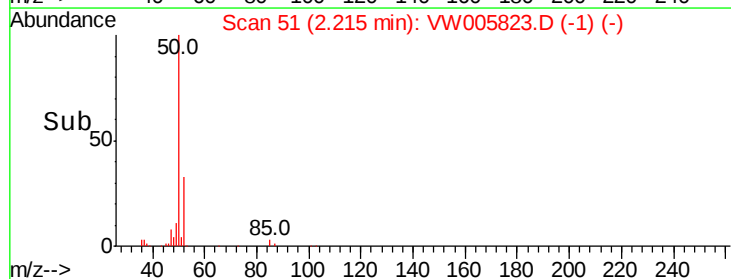
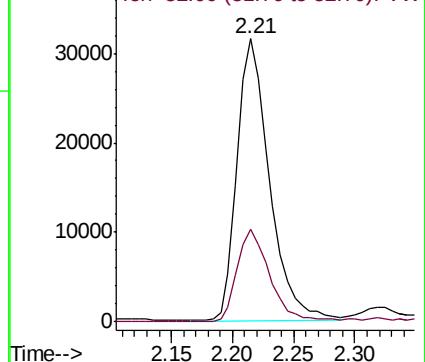
50 100

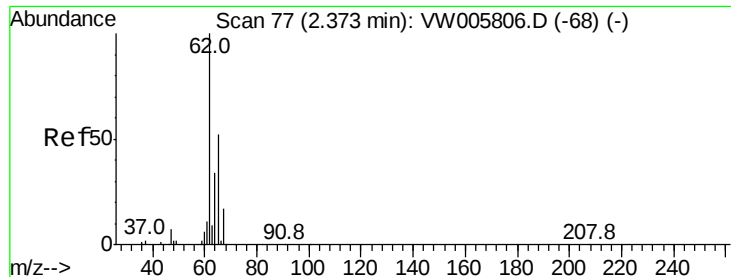
52 32.7 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.436 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

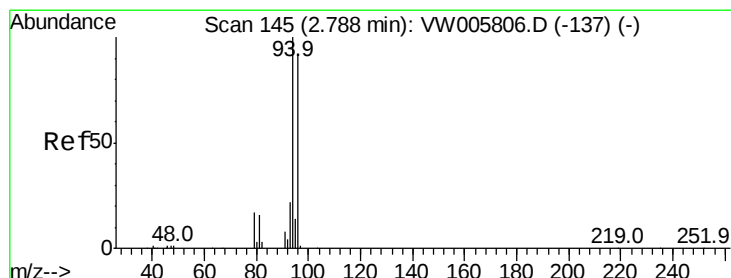
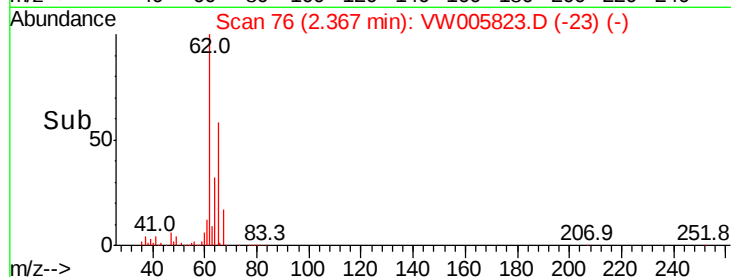
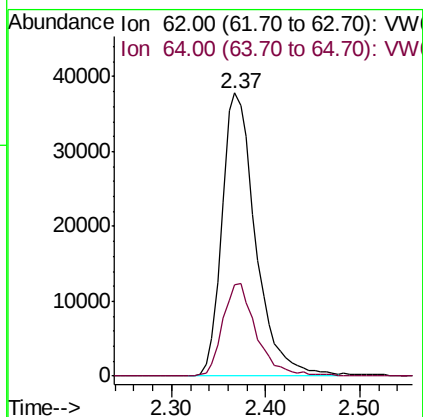
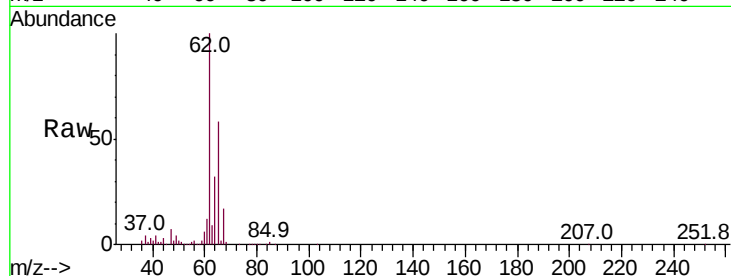
ClientSampleId :

Tot Ion: 62 Resp: 93772

Ion Ratio Lower Upper

62 100

64 32.5 24.1 44.7



#6

Bromomethane

Concen: 22.249 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW005823.D

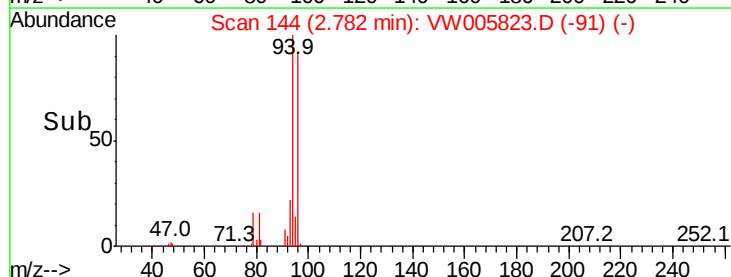
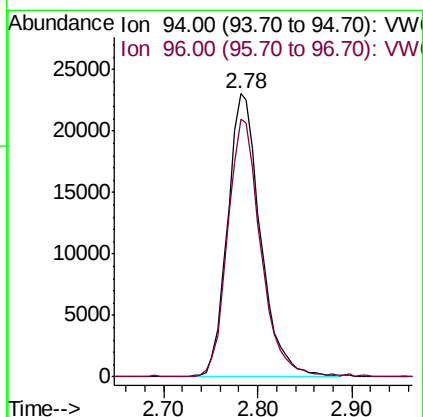
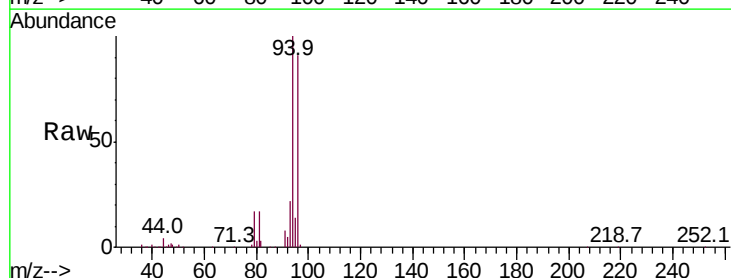
Acq: 03 Oct 2018 19:22

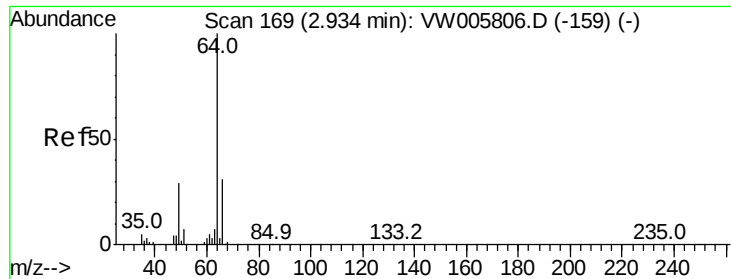
Tgt Ion: 94 Resp: 55948

Ion Ratio Lower Upper

94 100

96 91.4 9.6 181.6





#8

Chloroethane

Concen: 22.834 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

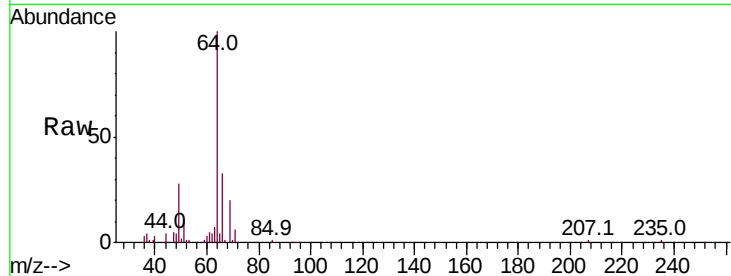
ClientSampleId :

Tot Ion: 64 Resp: 53063

Ion Ratio Lower Upper

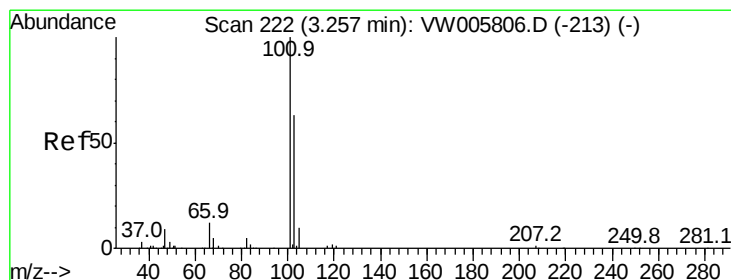
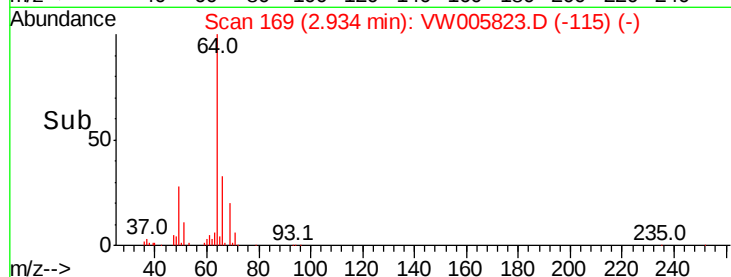
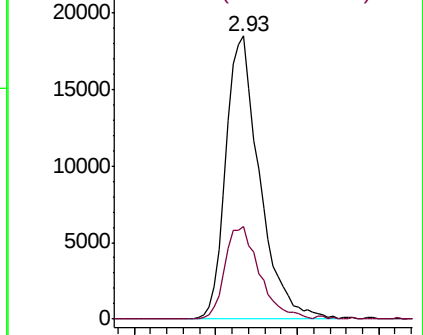
64 100

66 32.6 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 20.709 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW005823.D

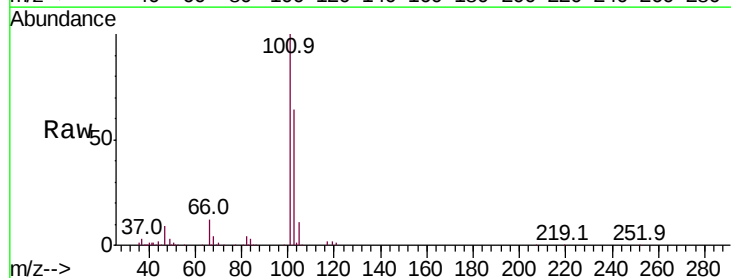
Acq: 03 Oct 2018 19:22

Tgt Ion: 101 Resp: 66134

Ion Ratio Lower Upper

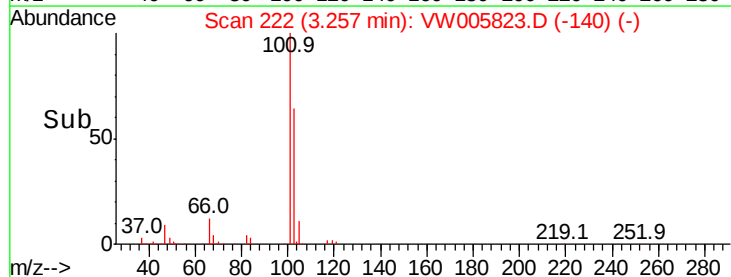
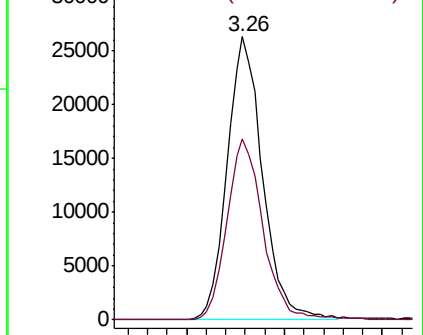
101 100

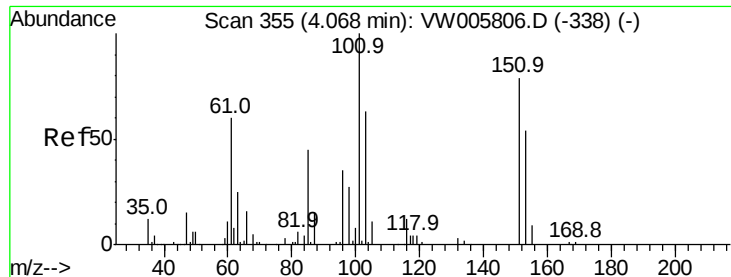
103 65.3 44.9 83.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 24.627 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

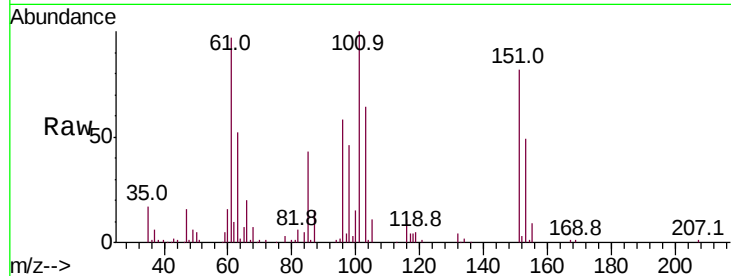
Tot Ion:101 Resp: 88844

Ion Ratio Lower Upper

101 100

85 42.1 35.0 52.4

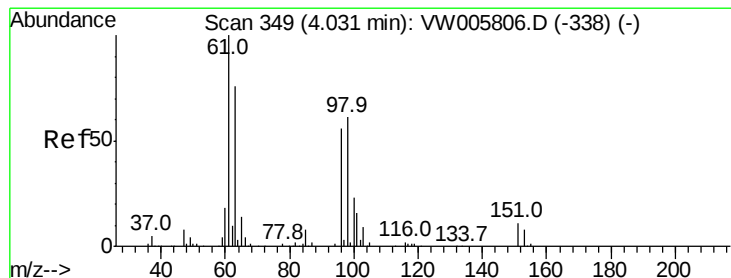
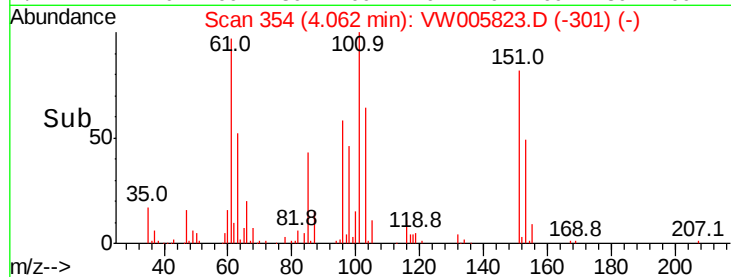
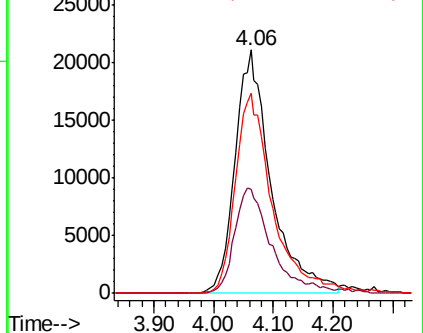
151 82.0 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.950 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

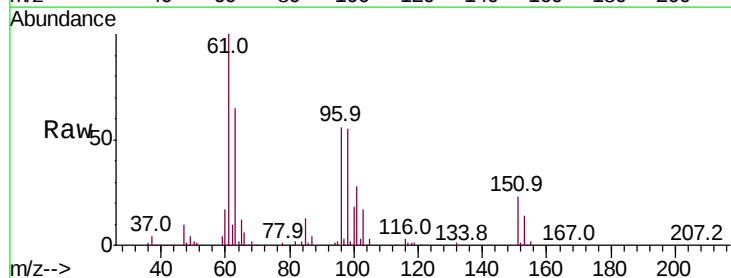
Tgt Ion: 96 Resp: 82522

Ion Ratio Lower Upper

96 100

61 178.2 121.4 225.6

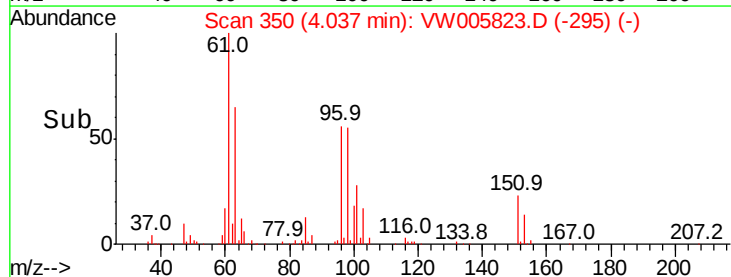
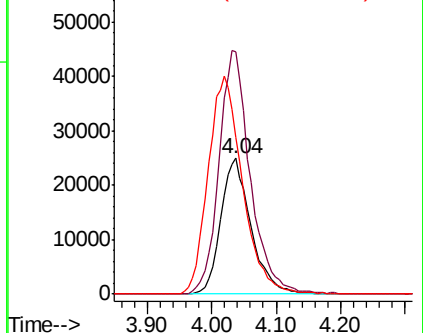
63 115.8 87.2 161.9

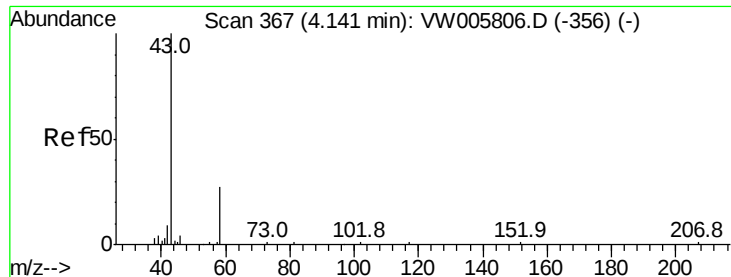


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.131 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

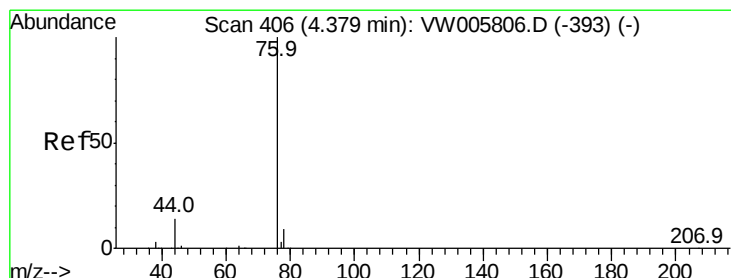
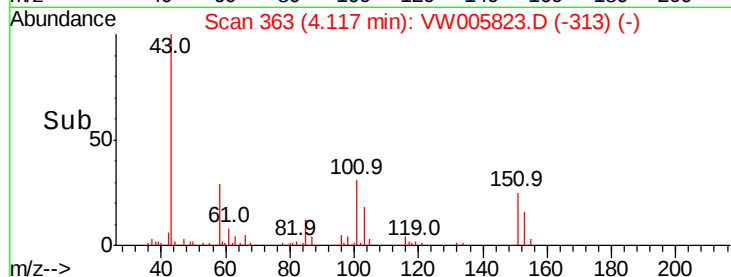
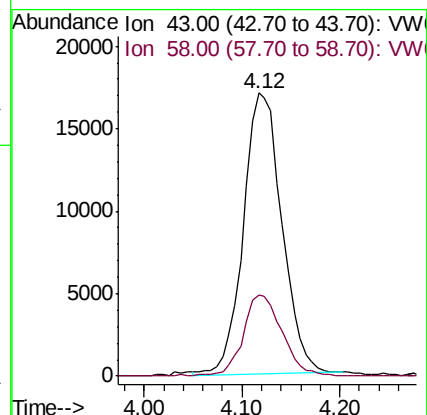
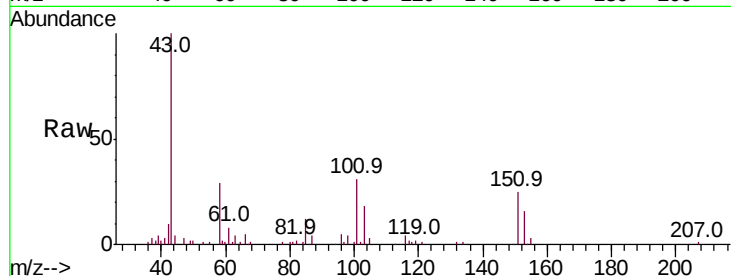
ClientSampleId :

Tot Ion: 43 Resp: 46518

Ion Ratio Lower Upper

43 100

58 29.2 0.0 31.8



#14

Carbon disulfide

Concen: 21.368 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005823.D

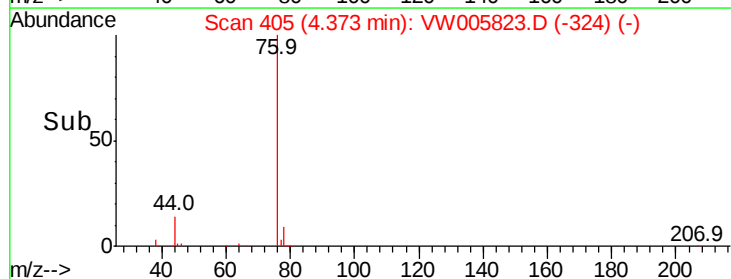
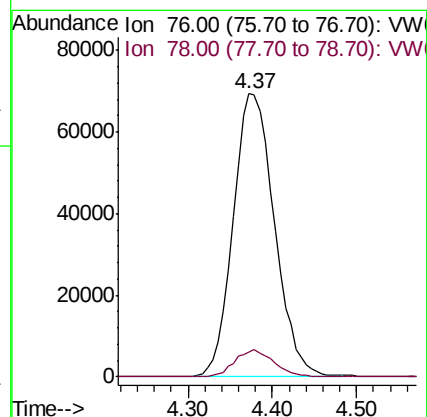
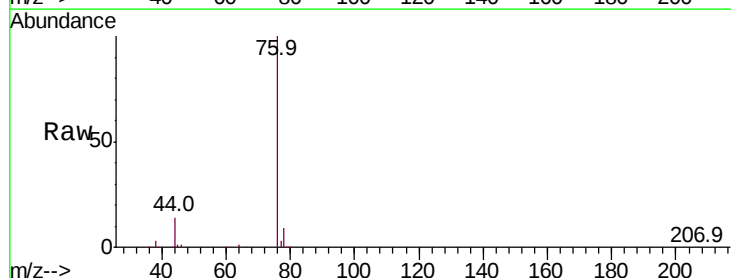
Acq: 03 Oct 2018 19:22

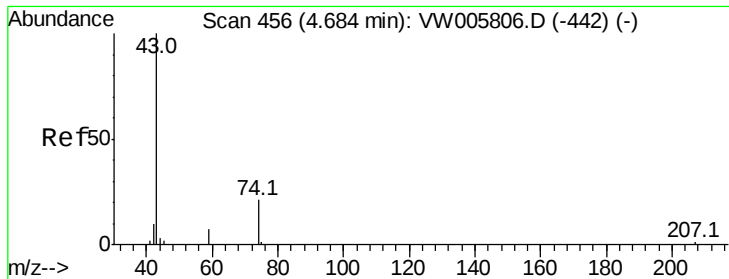
Tgt Ion: 76 Resp: 230841

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

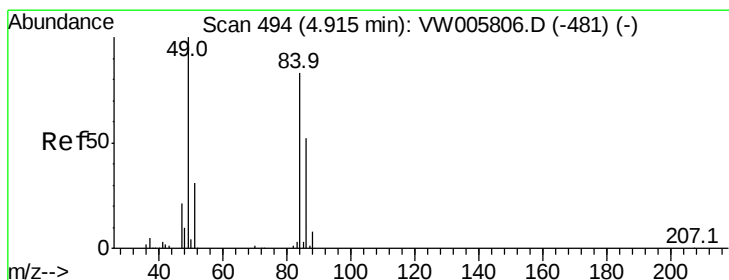
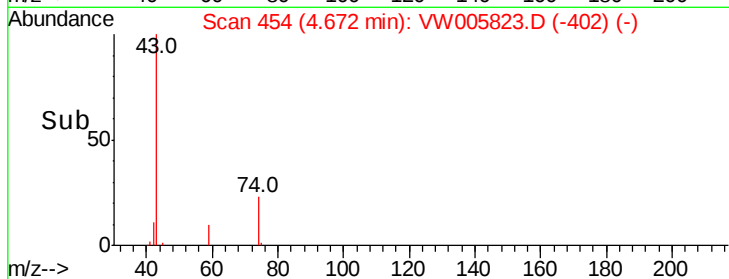
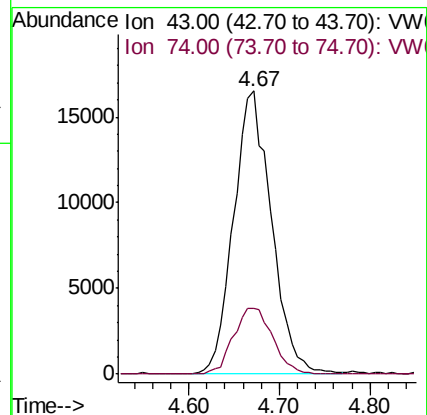
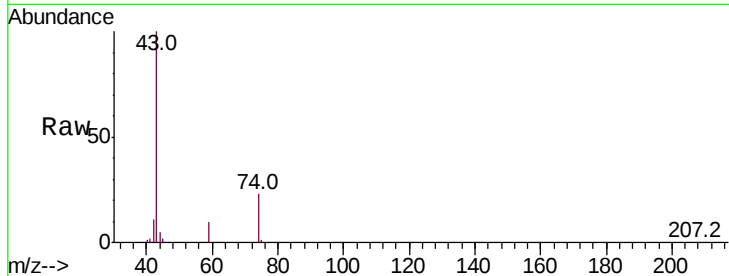




#15
Methvl Acetate
Concen: 23.865 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

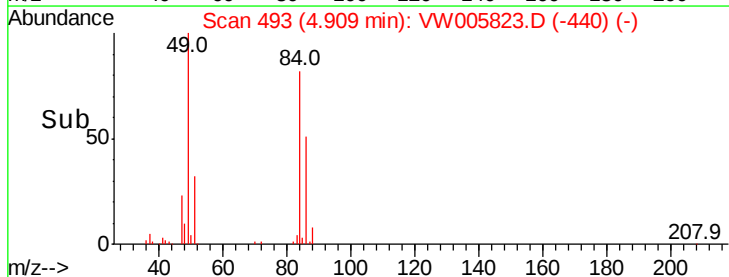
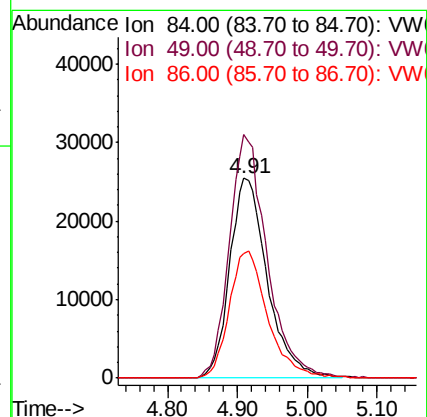
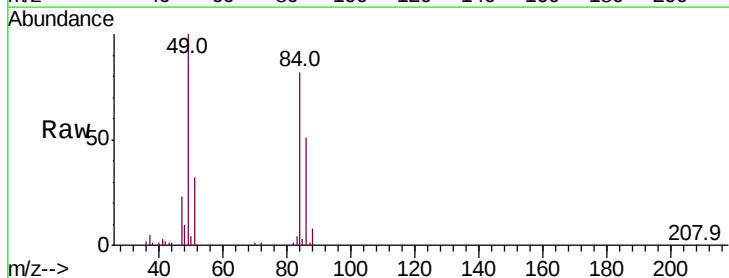
Instrument :
MSVOA_W
ClientSampled :

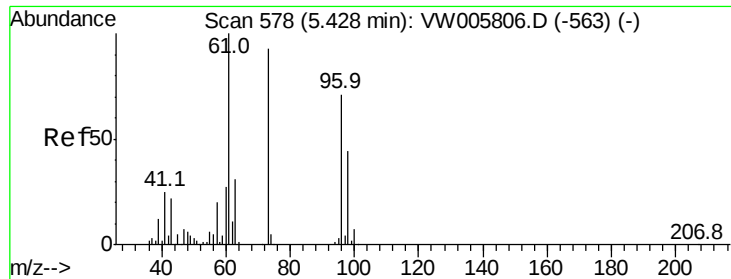
Tot Ion: 43 Resp: 47900
Ion Ratio Lower Upper
43 100
74 24.0 19.5 29.3



#16
Methylene chloride
Concen: 21.799 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Tgt Ion: 84 Resp: 95381
Ion Ratio Lower Upper
84 100
49 121.8 87.2 162.0
86 62.4 43.2 80.2





#17

Methvl tert-butvl Ether

Concen: 23.394 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

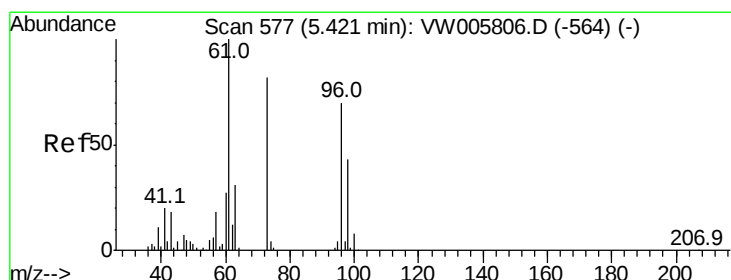
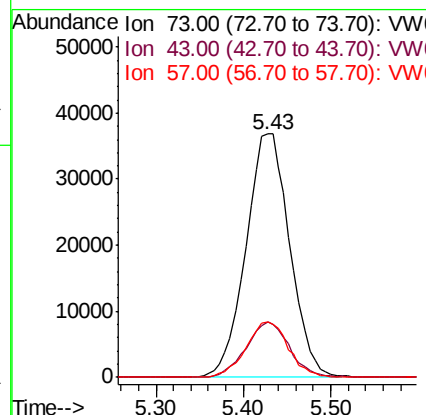
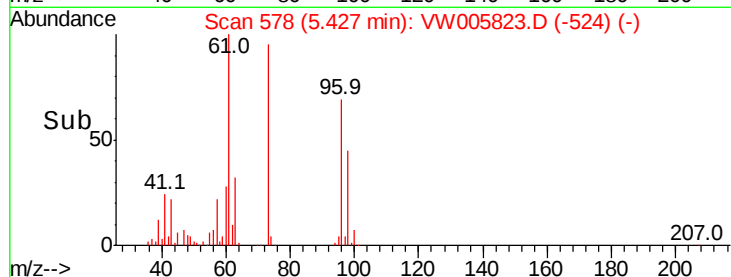
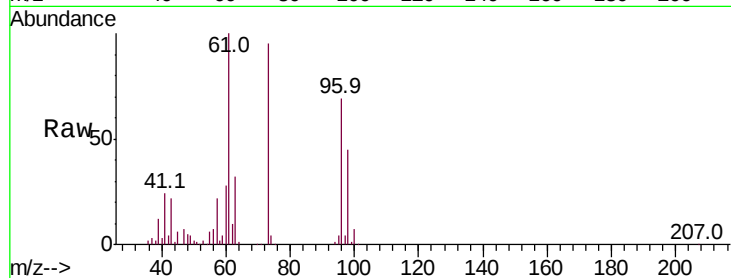
Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 128250

Ion	Ratio	Lower	Upper
73	100		
43	22.4	18.2	27.4
57	22.1	17.5	26.3



#18

trans-1,2-Dichloroethene

Concen: 23.726 ug/L

RT: 5.42 min Scan# 577

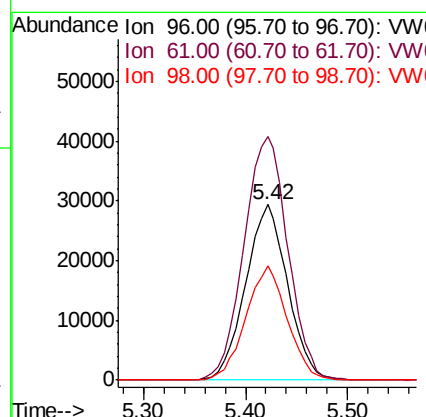
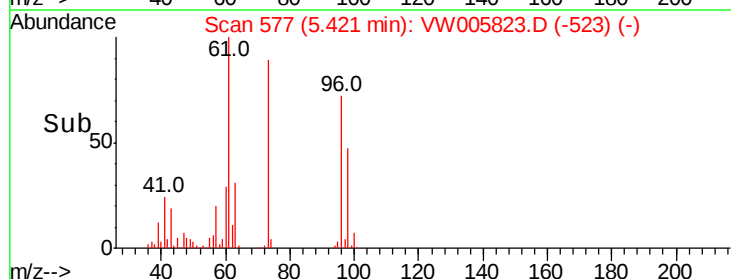
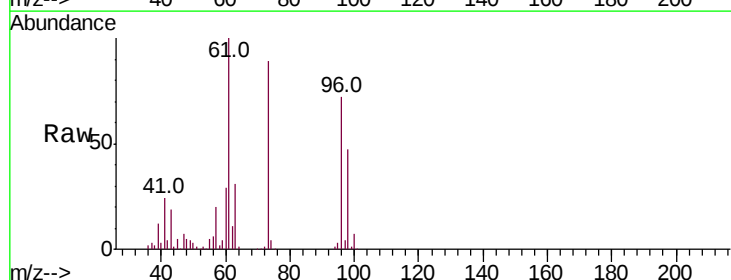
Delta R.T. -0.00 min

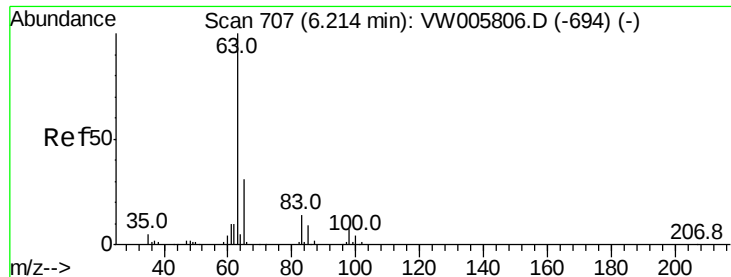
Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Tgt Ion: 96 Resp: 84074

Ion	Ratio	Lower	Upper
96	100		
61	138.6	98.6	183.2
98	65.0	43.7	81.1

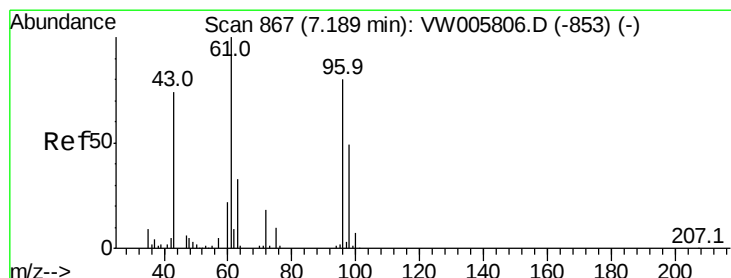
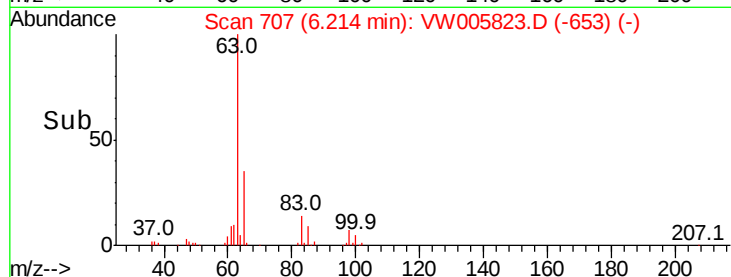
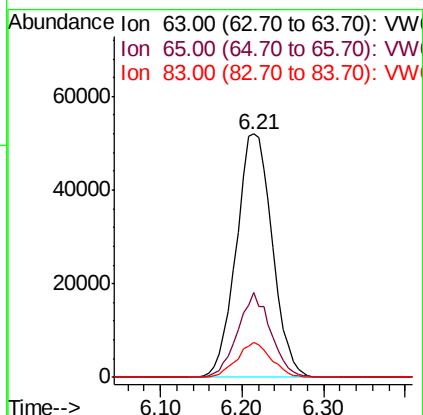
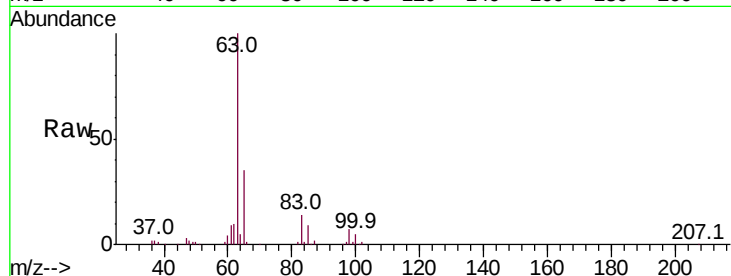




#19
 1,1-Dichloroethane
 Concen: 24.310 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

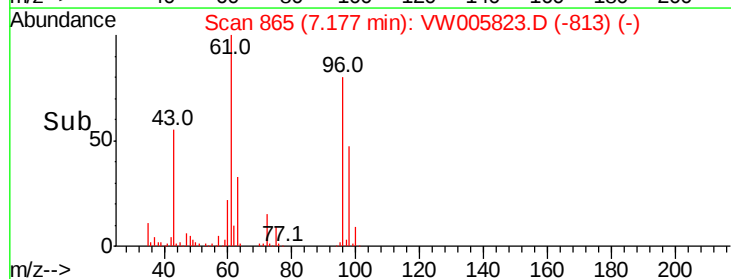
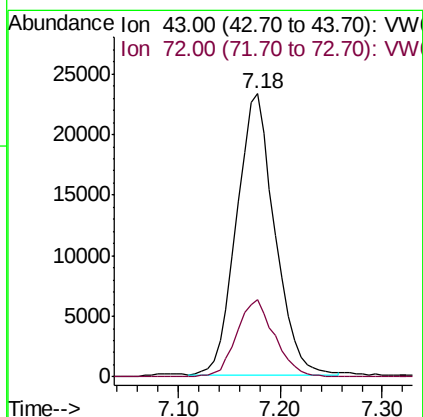
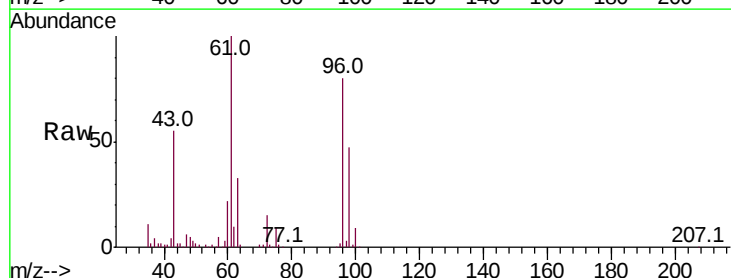
Instrument :
 MSVOA_W
 ClientSampleId :

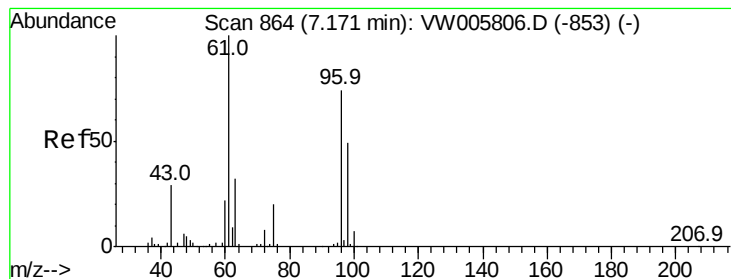
Tot Ion	Ratio	Lower	Upper
63	100		
65	35.1	21.8	40.4
83	14.5	9.7	18.1



#21
 2-Butanone
 Concen: 44.610 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.3	13.2	39.6



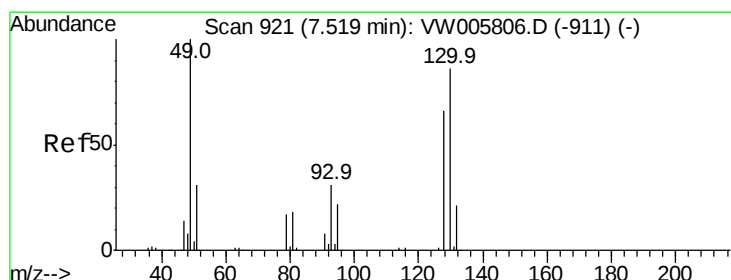
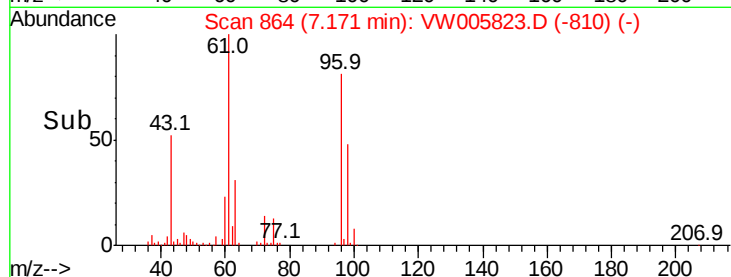
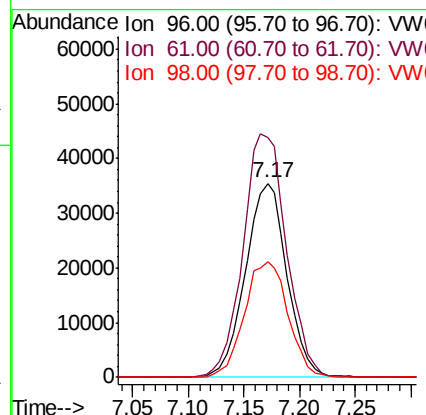
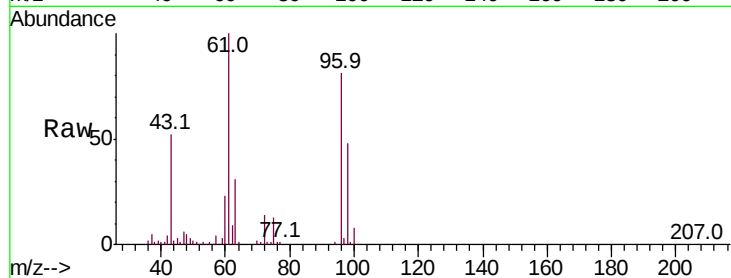


#22

cis-1,2-Dichloroethene
Concen: 23.799 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Instrument :
MSVOA_W
ClientSampled :

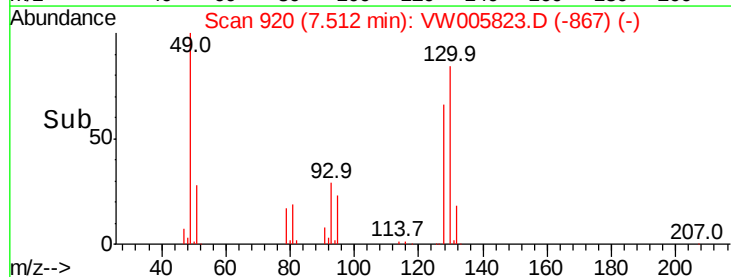
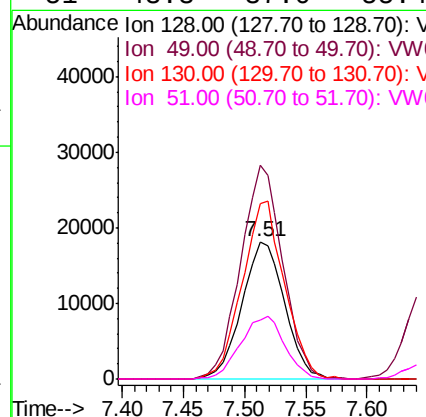
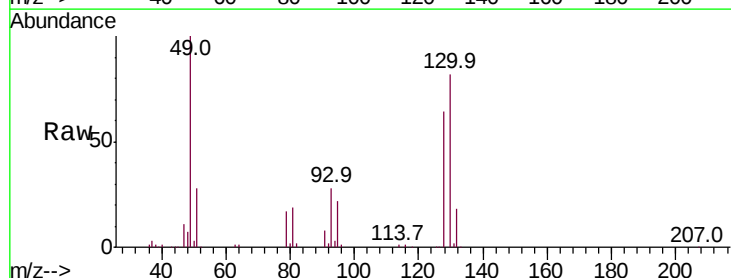
Tot Ion: 96 Resp: 91671
Ion Ratio Lower Upper
96 100
61 123.7 95.7 177.7
98 59.4 44.1 81.9

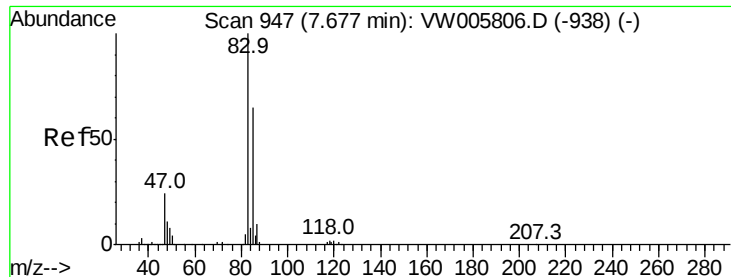


#23

Bromochloromethane
Concen: 24.651 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Tgt Ion: 128 Resp: 44068
Ion Ratio Lower Upper
128 100
49 155.7 108.1 200.7
130 127.6 89.3 165.9
51 43.3 37.0 55.4





#25

Chloroform

Concen: 25.307 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

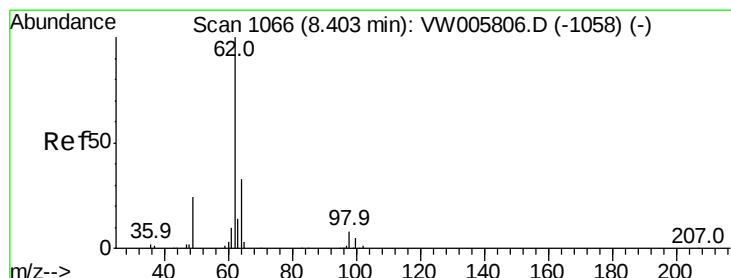
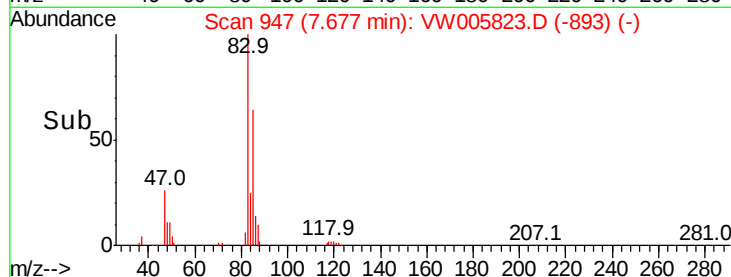
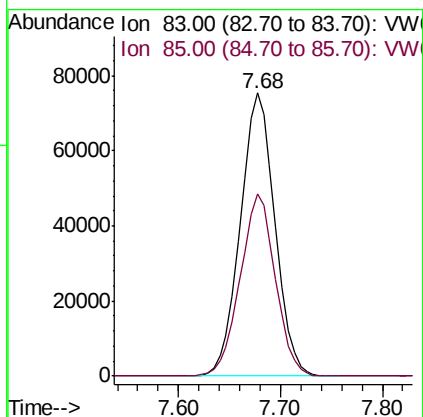
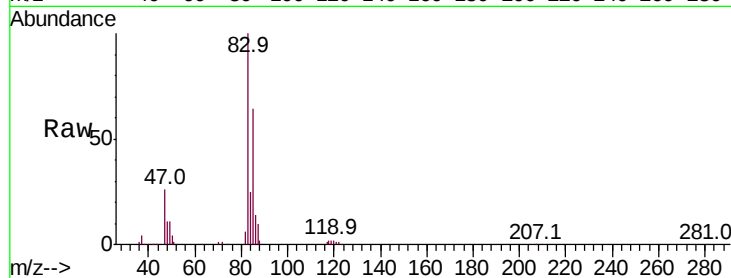
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 177544

Ion Ratio Lower Upper

83 100

85 65.3 46.0 85.4



#27

1,2-Dichloroethane

Concen: 25.259 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005823.D

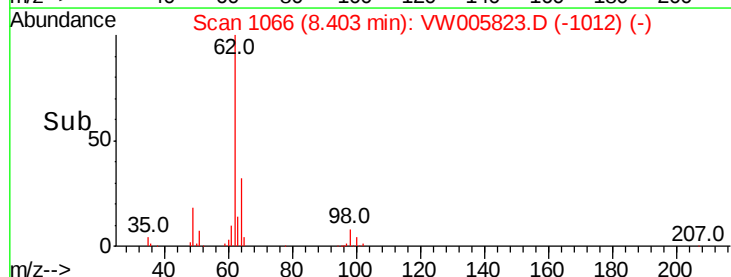
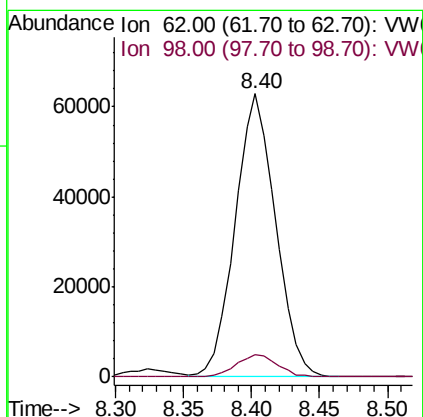
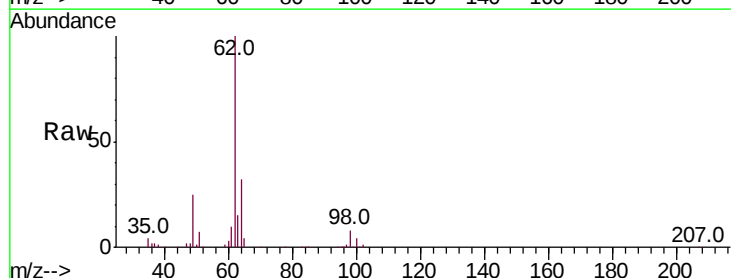
Acq: 03 Oct 2018 19:22

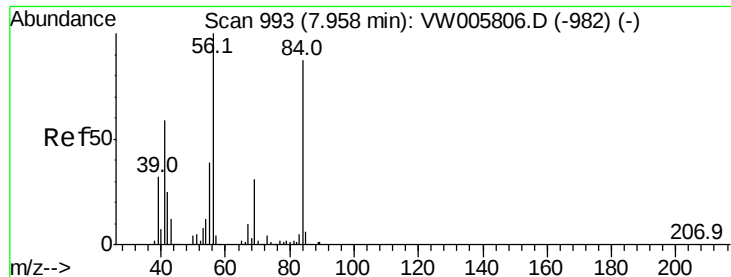
Tgt Ion: 62 Resp: 130471

Ion Ratio Lower Upper

62 100

98 7.8 6.2 9.2

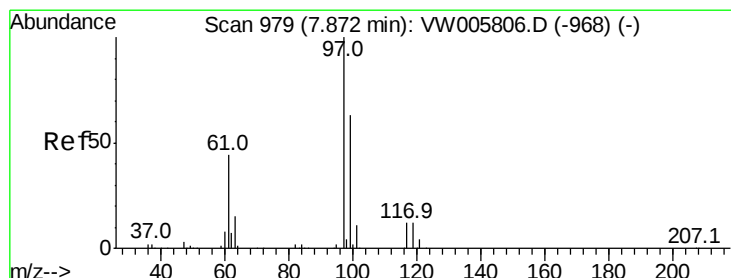
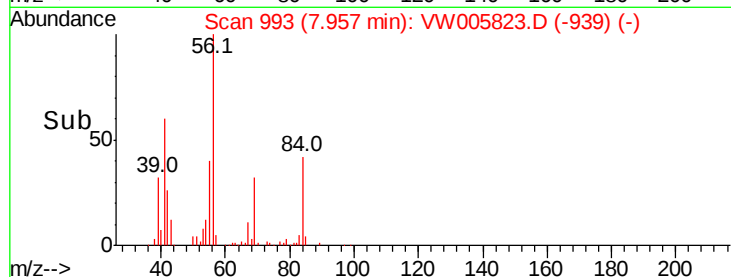
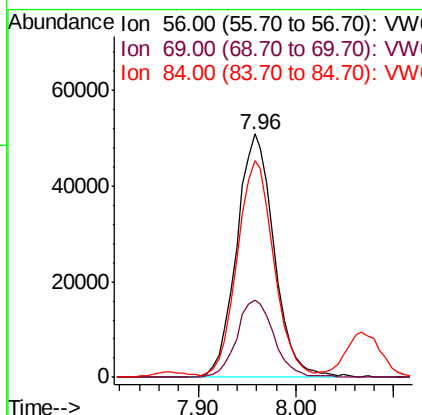
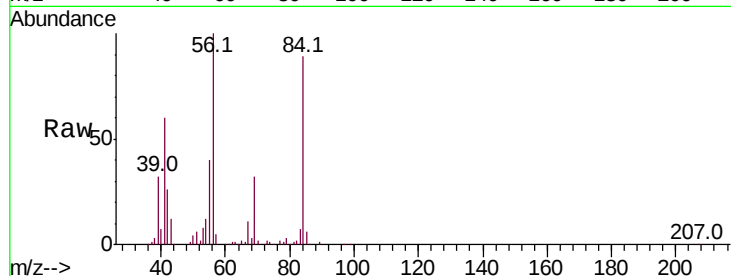




#30
Cvclohexane
Concen: 23.011 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

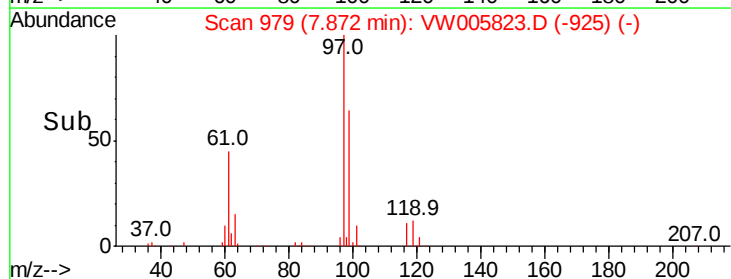
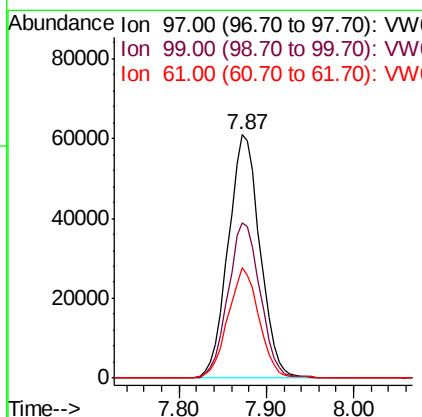
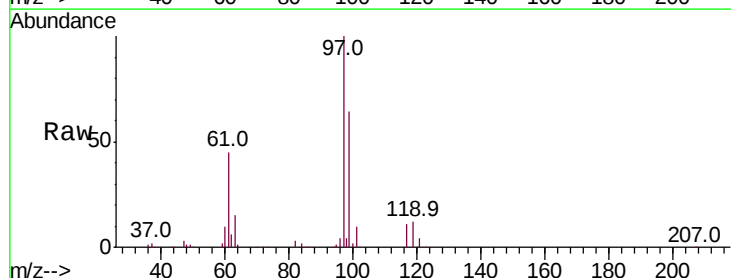
Instrument :
MSVOA_W
ClientSampleId :

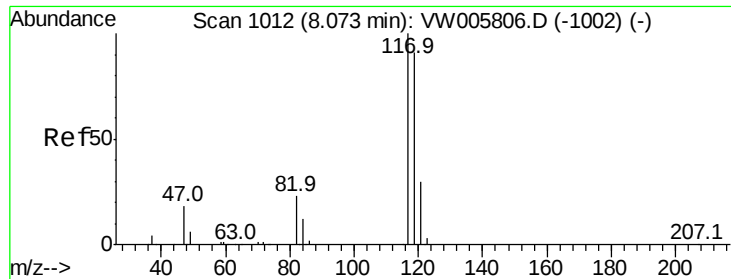
Tot Ion: 56 Resp: 134978
Ion Ratio Lower Upper
56 100
69 31.4 25.0 37.6
84 87.7 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 24.384 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Tgt Ion: 97 Resp: 154543
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.8
61 44.1 35.4 53.2





#32

Carbon tetrachloride

Concen: 24.573 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

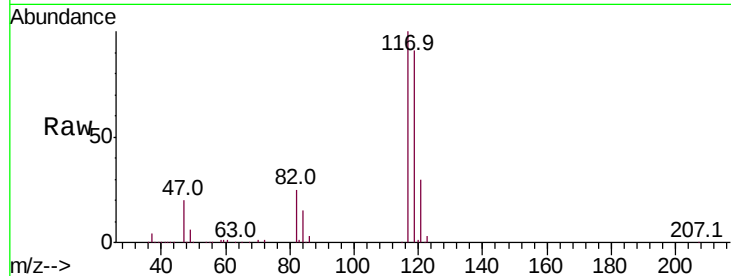
ClientSampleId :

Tot Ion:117 Resp: 151664

Ion Ratio Lower Upper

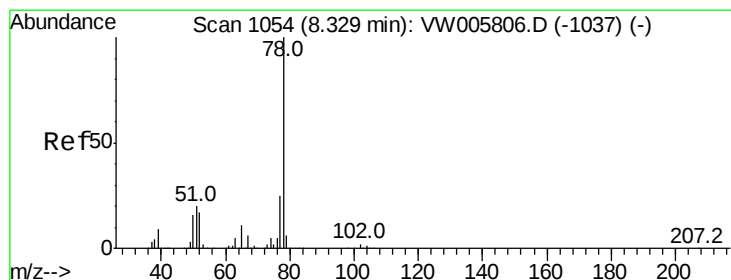
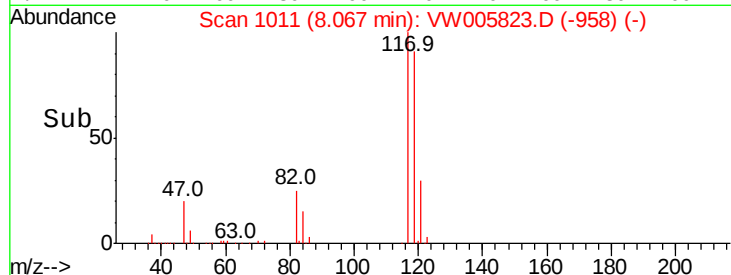
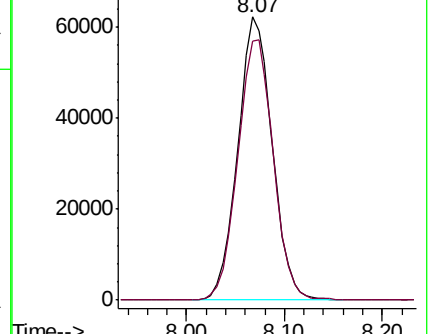
117 100

119 94.9 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.229 ug/L

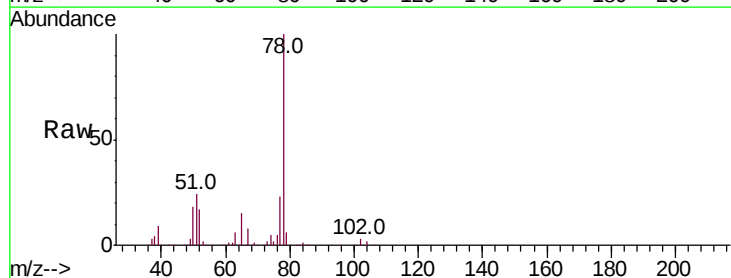
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

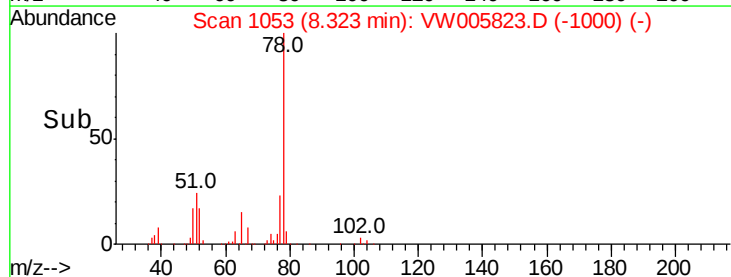
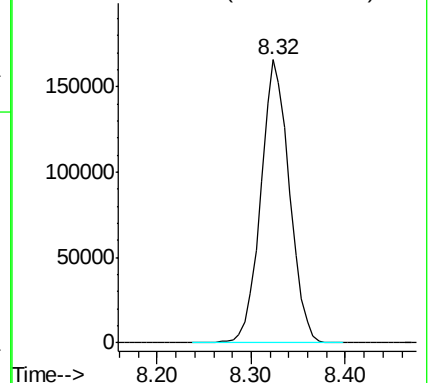
Lab File: VW005823.D

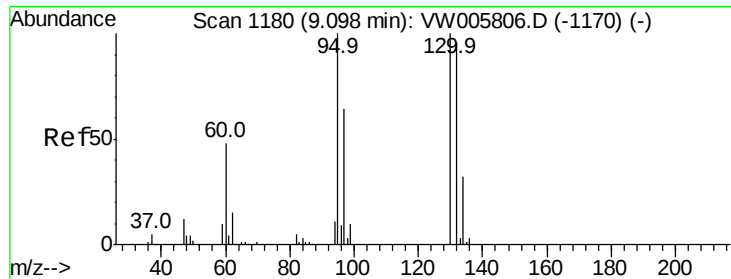
Acq: 03 Oct 2018 19:22

Tgt Ion: 78 Resp: 354321



Abundance Ion 78.00 (77.70 to 78.70): VW

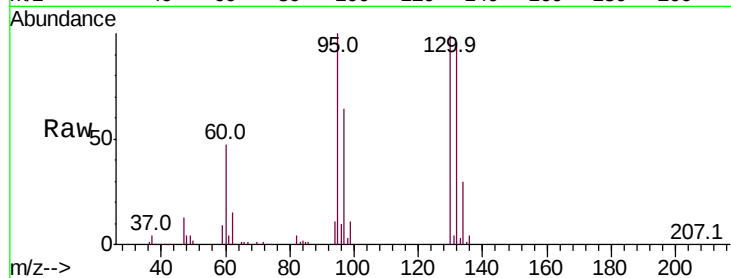




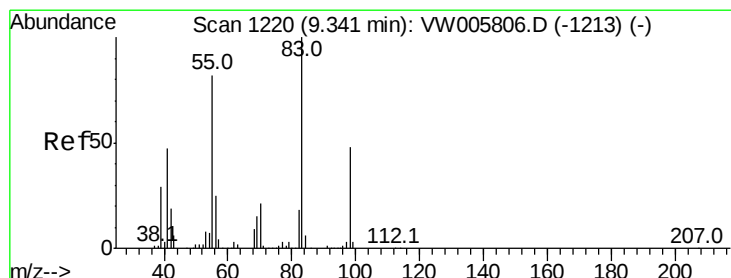
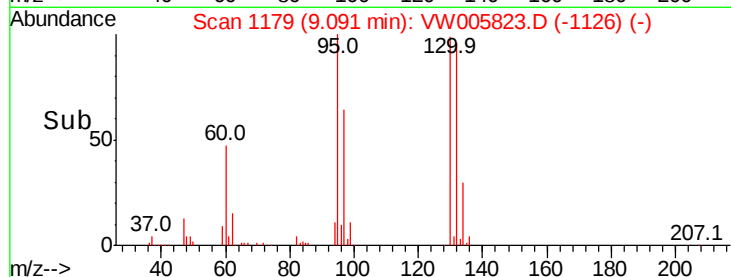
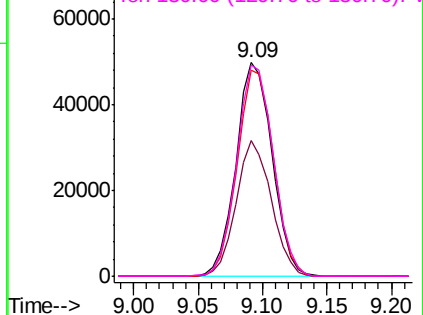
#35
 Trichloroethene
 Concen: 24.769 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 96902
 Ion Ratio Lower Upper
 95 100
 97 62.0 45.2 84.0
 132 96.9 68.0 126.4
 130 99.9 71.3 132.5

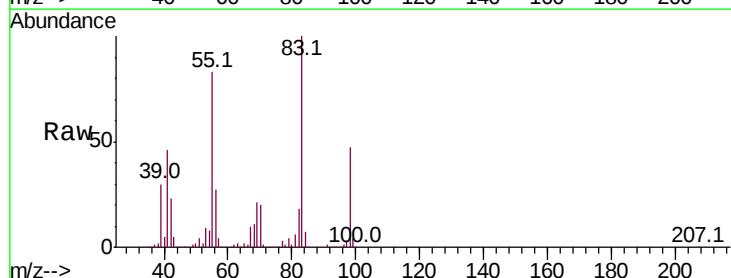


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

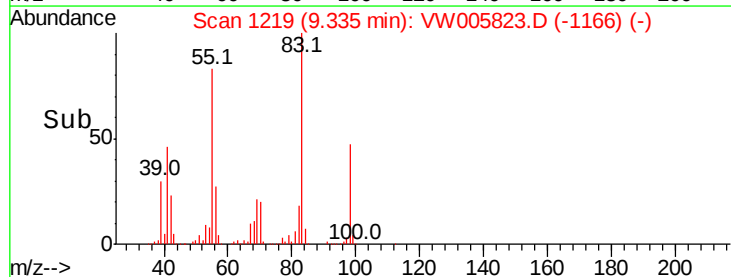
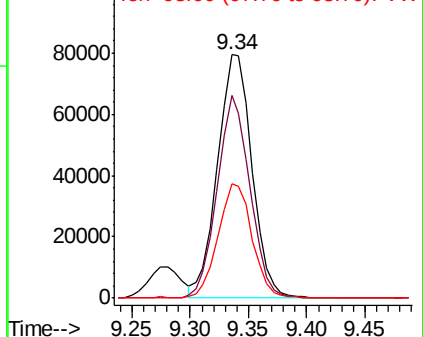


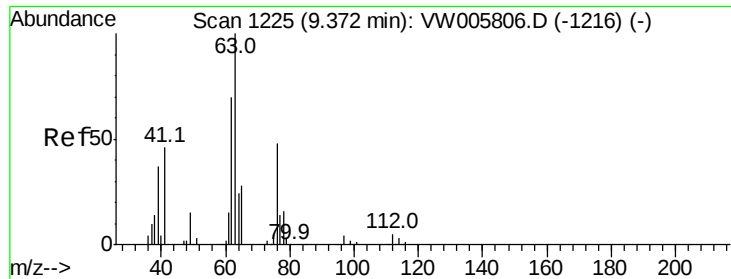
#36
 Methylcyclohexane
 Concen: 23.961 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion: 83 Resp: 163007
 Ion Ratio Lower Upper
 83 100
 55 78.9 62.5 93.7
 98 46.5 37.7 56.5



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

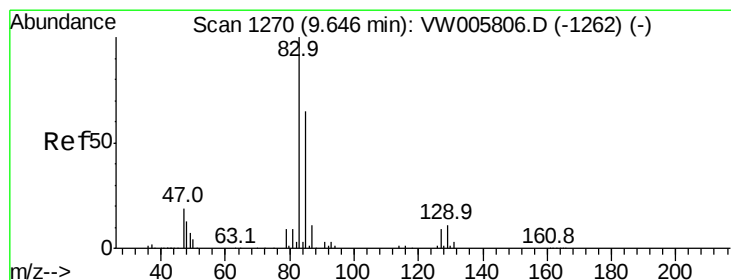
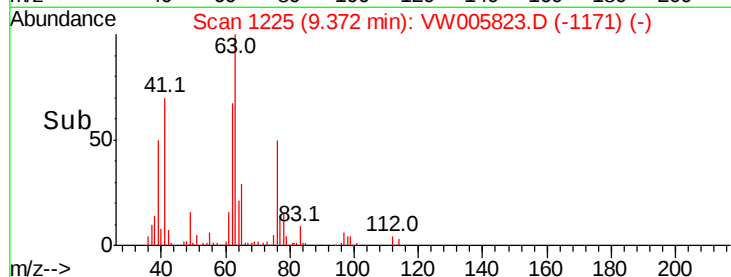
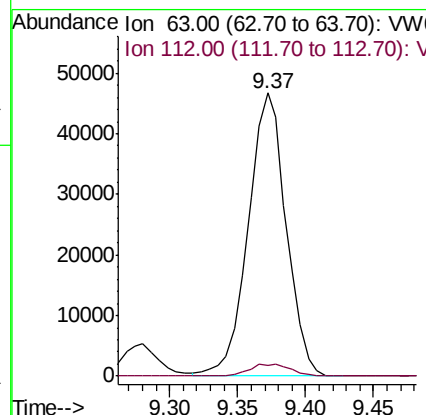
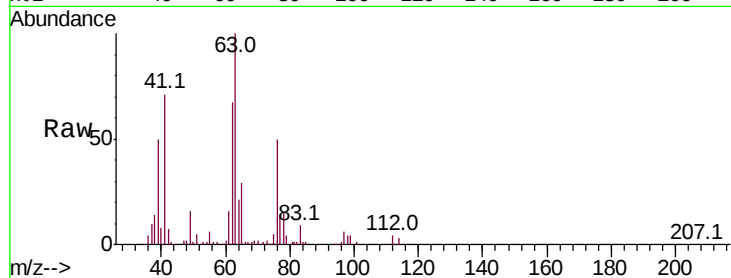




#40
 1,2-Dichloropropane
 Concen: 25.643 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

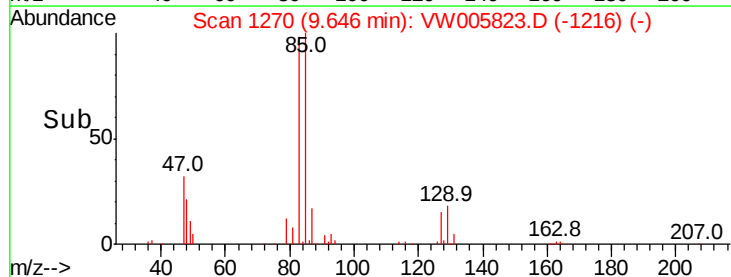
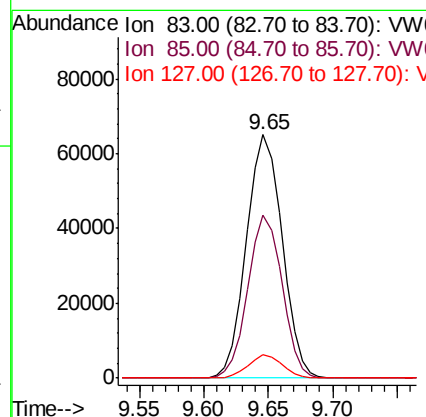
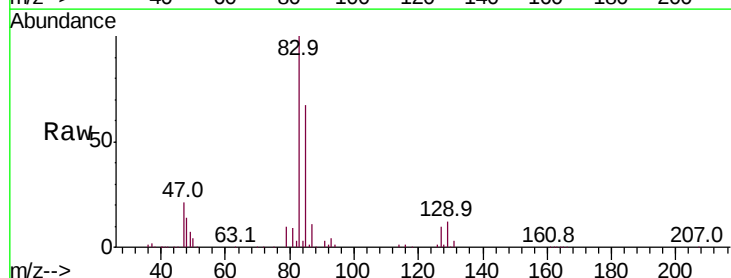
Instrument :
 MSVOA_W
 ClientSampled :

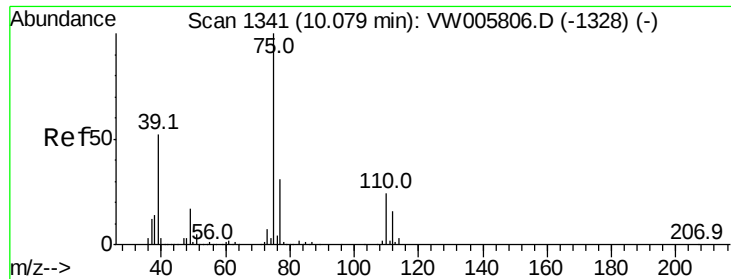
Tot Ion: 63 Resp: 91386
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.965 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion: 83 Resp: 125090
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.1 81.9
 127 9.9 7.5 11.3

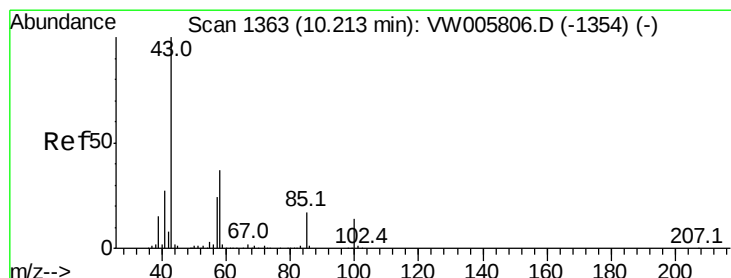
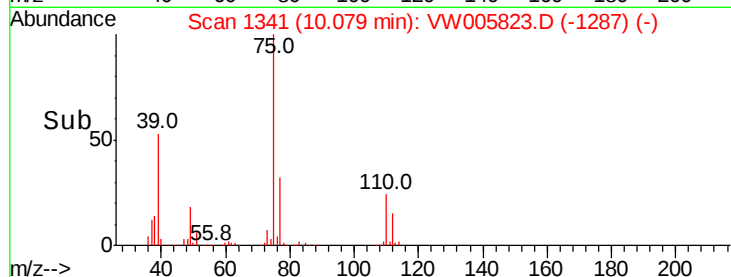
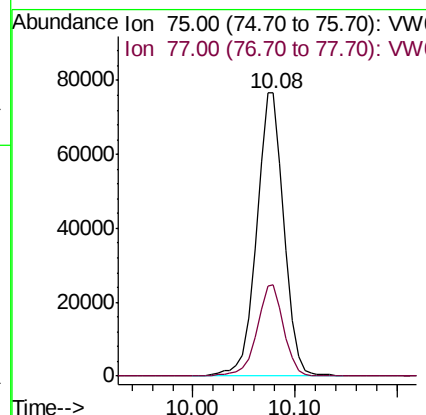
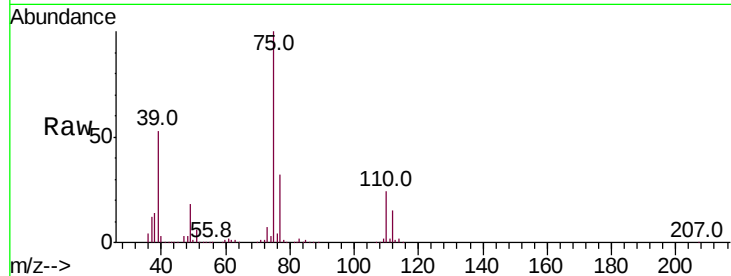




#42
 cis-1,3-Dichloropropene
 Concen: 24.231 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

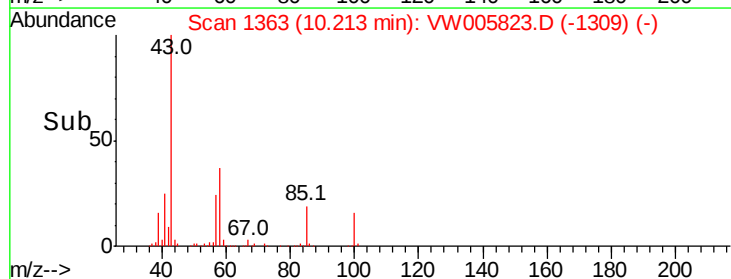
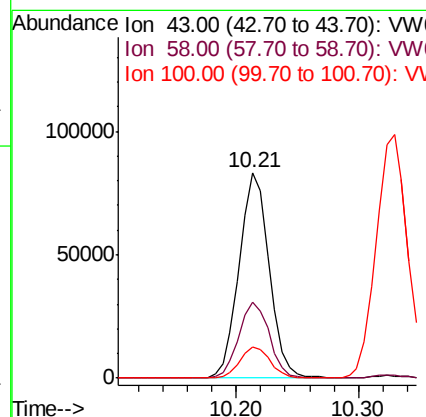
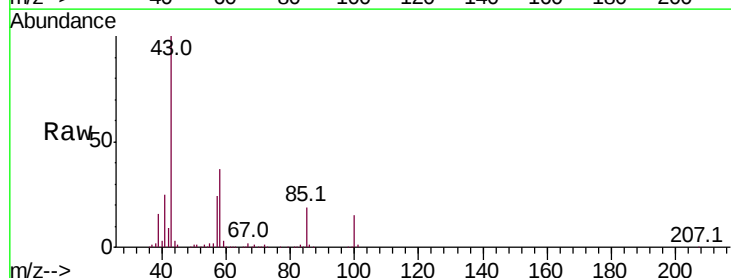
Instrument :
 MSVOA_W
 ClientSampled :

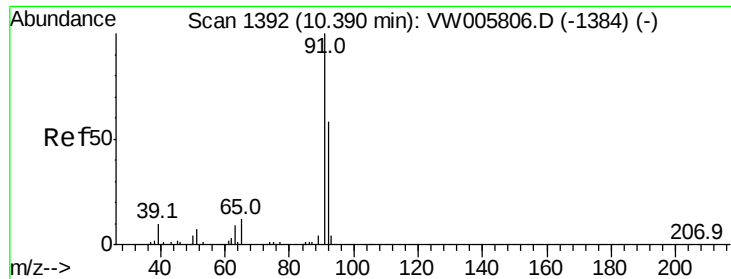
Tot Ion: 75 Resp: 142609
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 48.639 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion: 43 Resp: 141458
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.8 44.8
 100 15.3 12.2 18.4





#44

Toluene

Concen: 24.599 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

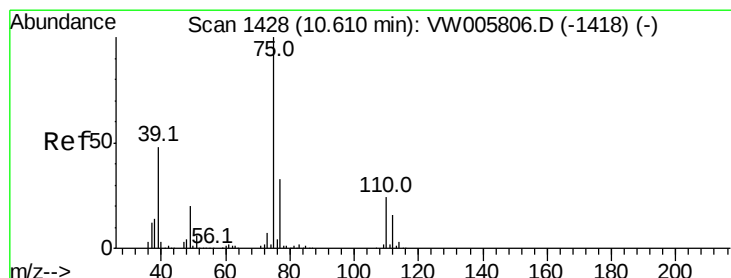
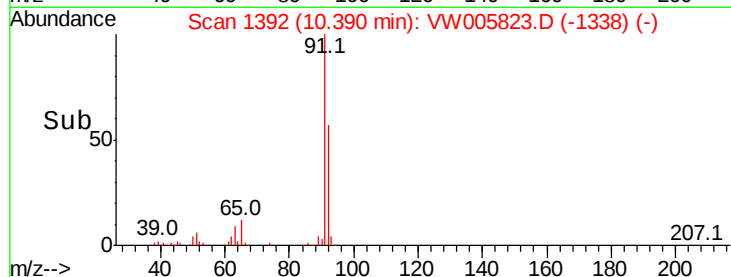
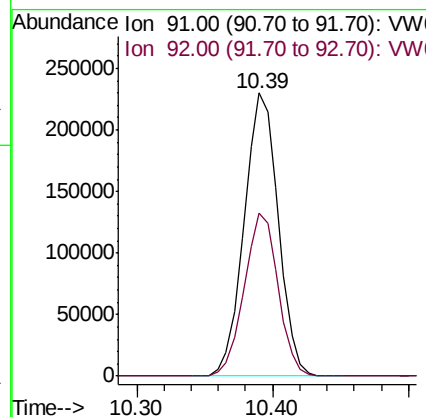
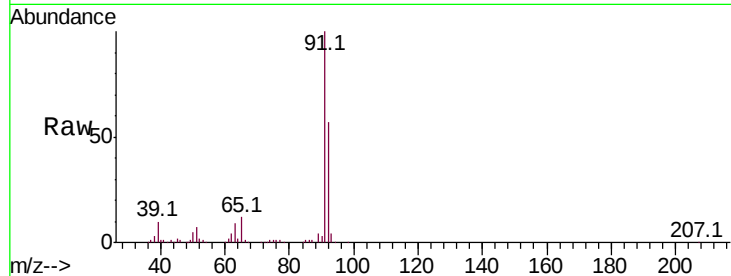
ClientSampled :

Tot Ion: 91 Resp: 401990

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.343 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005823.D

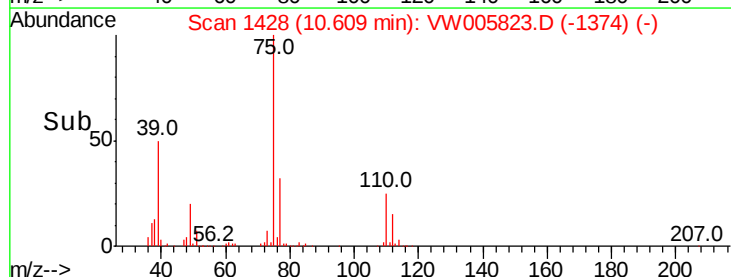
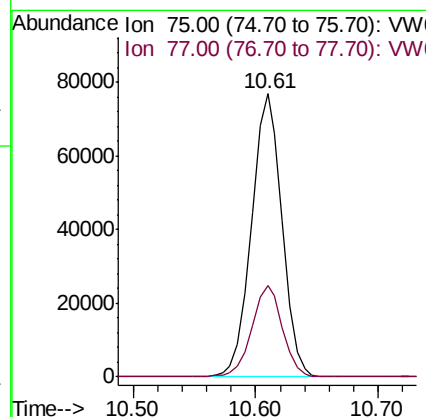
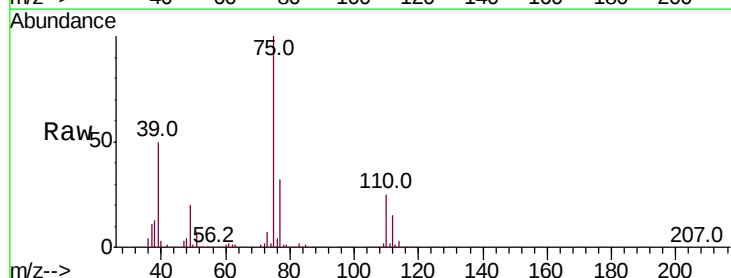
Acq: 03 Oct 2018 19:22

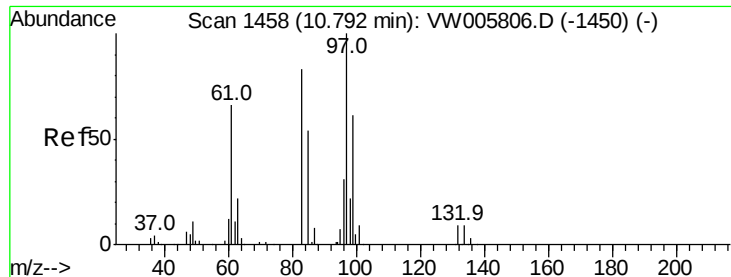
Tgt Ion: 75 Resp: 133405

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1

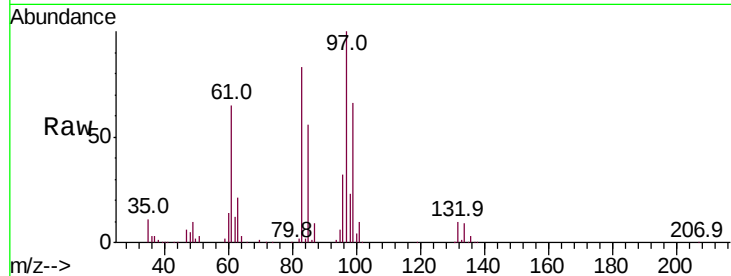




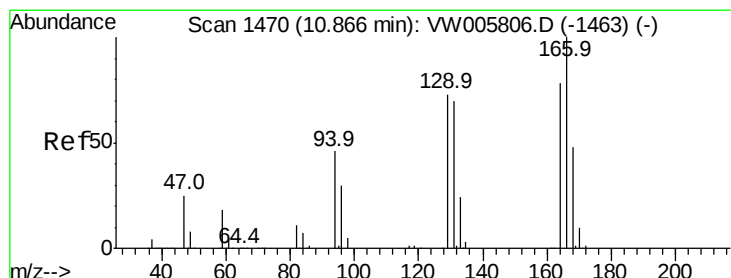
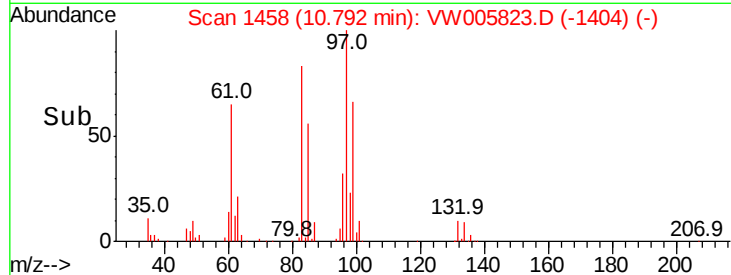
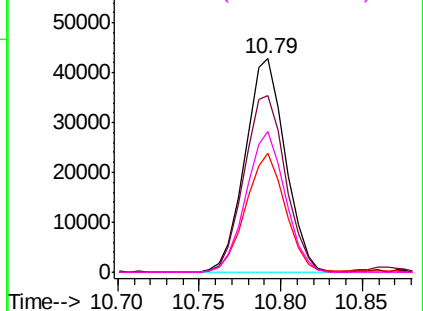
#46
1,1,2-Trichloroethane
Concen: 24.669 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 97 Resp: 73362
Ion Ratio Lower Upper
97 100
83 82.9 58.3 108.3
85 55.6 38.0 70.6
99 65.6 42.8 79.4

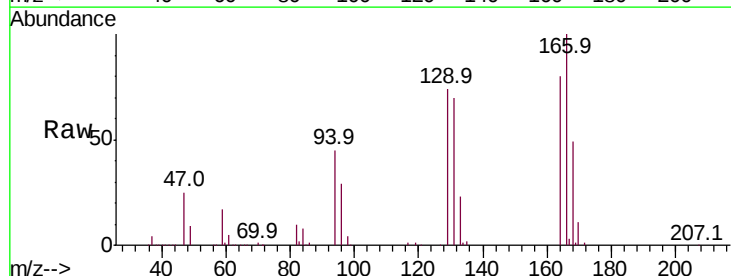


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

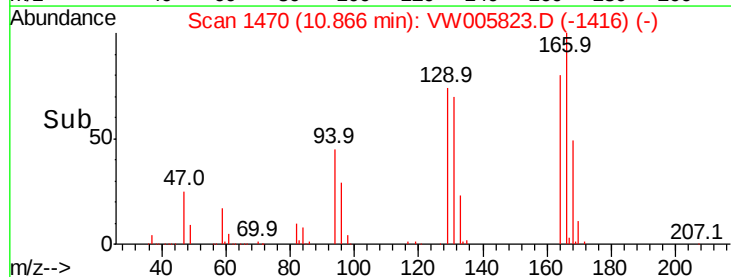
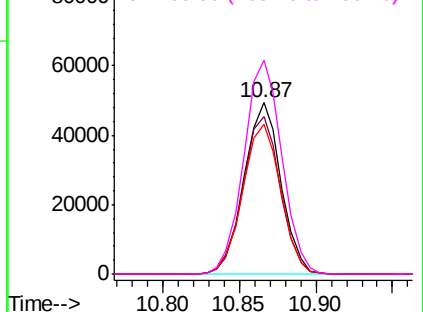


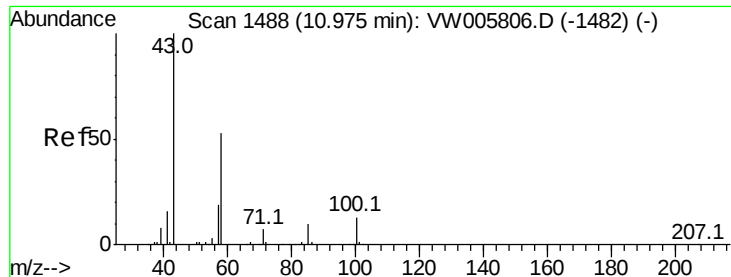
#47
Tetrachloroethene
Concen: 23.968 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Tgt Ion: 164 Resp: 82610
Ion Ratio Lower Upper
164 100
129 91.9 63.8 118.4
131 87.5 61.5 114.3
166 124.6 83.2 154.6



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

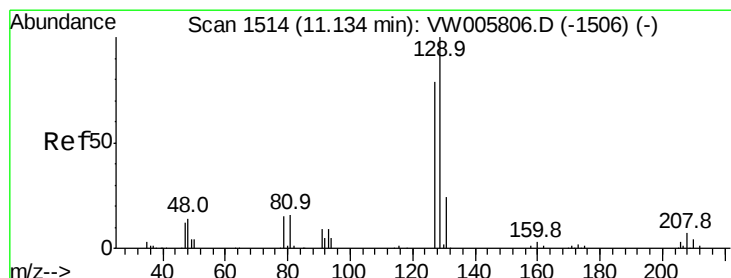
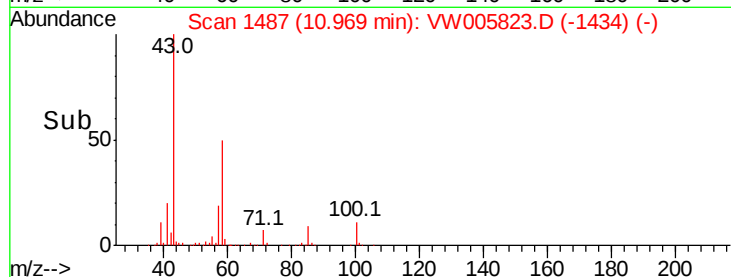
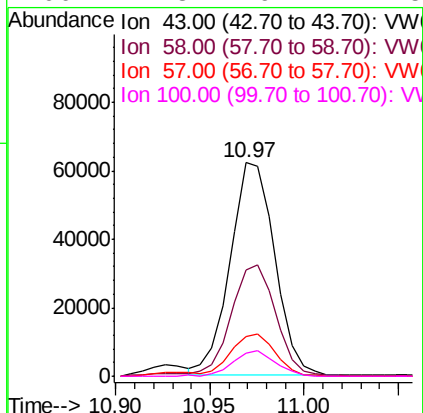
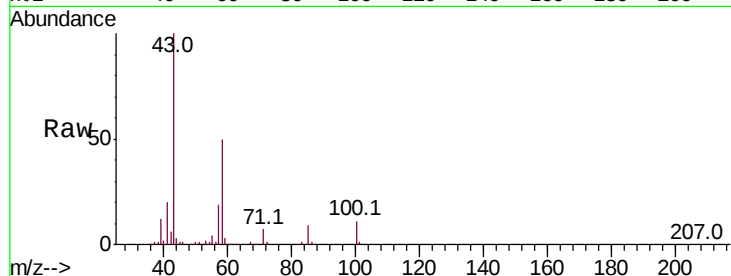




#49
2-Hexanone
Concen: 49.656 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

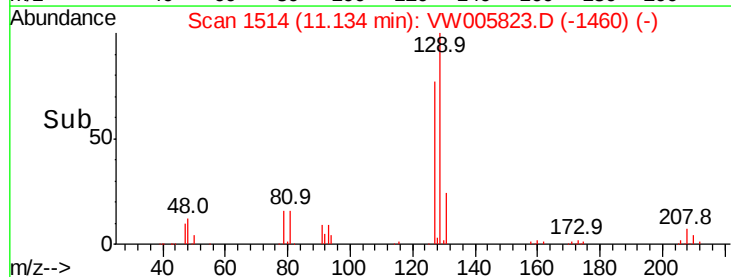
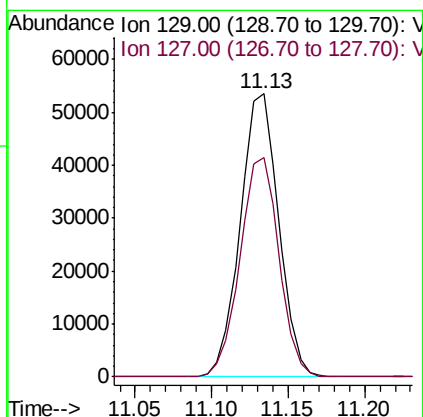
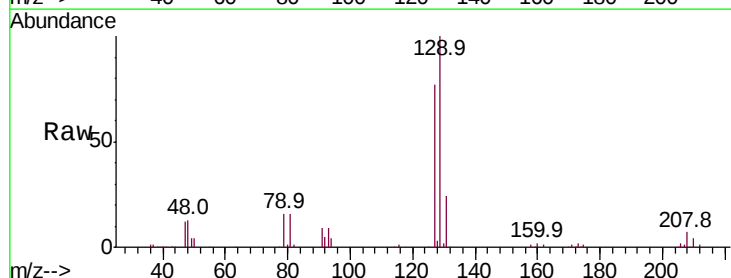
Instrument :
MSVOA_W
ClientSampled :

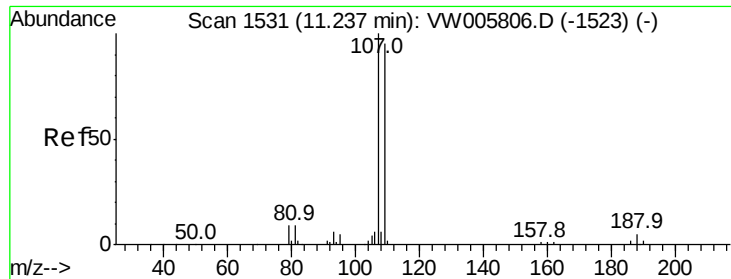
Tot Ion: 43 Resp: 101371
Ion Ratio Lower Upper
43 100
58 52.9 42.0 63.0
57 19.9 15.7 23.5
100 11.8 9.7 14.5



#50
Dibromochloromethane
Concen: 25.127 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Tgt Ion: 129 Resp: 93713
Ion Ratio Lower Upper
129 100
127 77.5 51.7 95.9

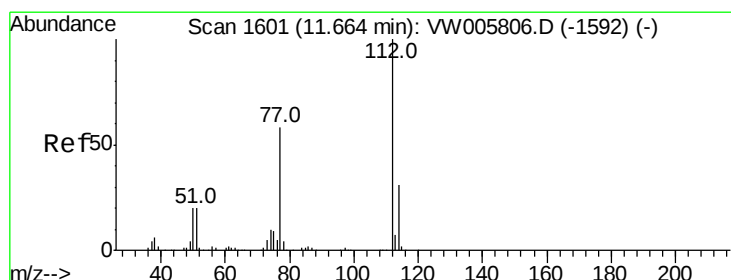
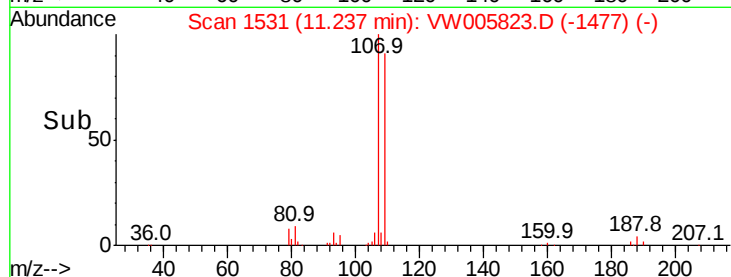
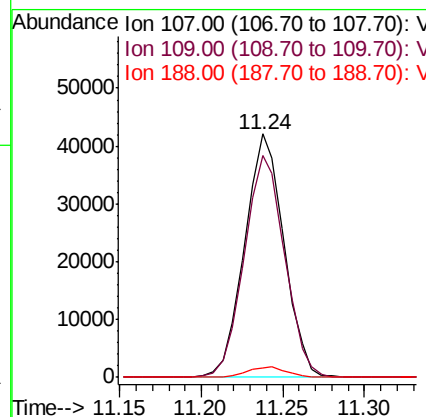
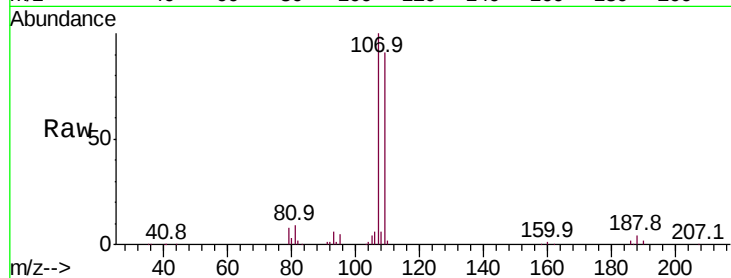




#51
 1,2-Dibromoethane
 Concen: 24.608 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

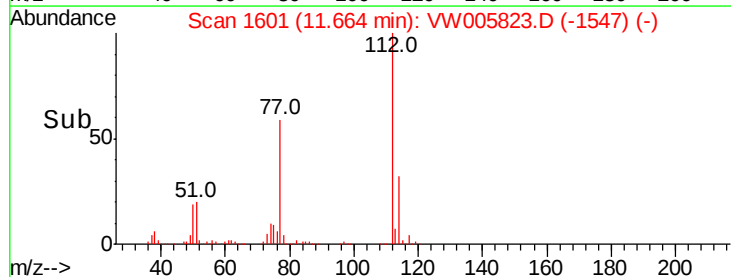
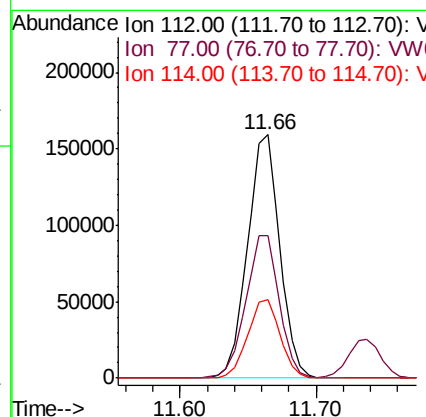
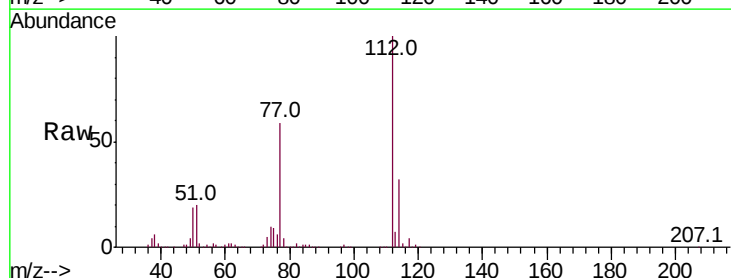
Instrument :
 MSVOA_W
 ClientSampled :

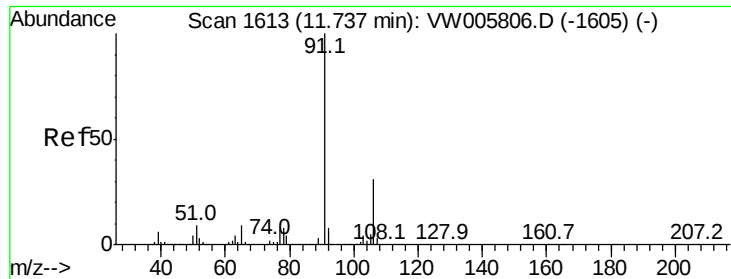
Tot Ion:107 Resp: 70749
 Ion Ratio Lower Upper
 107 100
 109 91.3 70.1 130.3
 188 3.8 3.4 5.2



#52
 Chlorobenzene
 Concen: 24.543 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion:112 Resp: 263853
 Ion Ratio Lower Upper
 112 100
 77 58.6 46.7 70.1
 114 32.4 21.8 40.6





#53

Ethylbenzene

Concen: 24.835 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

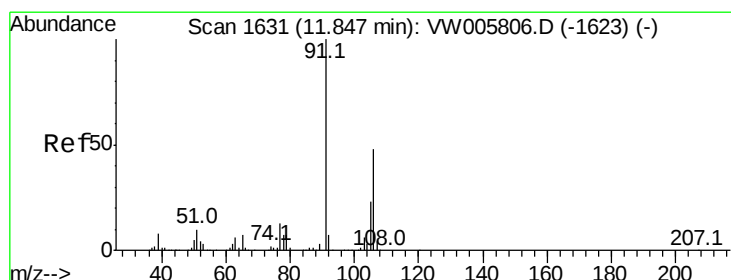
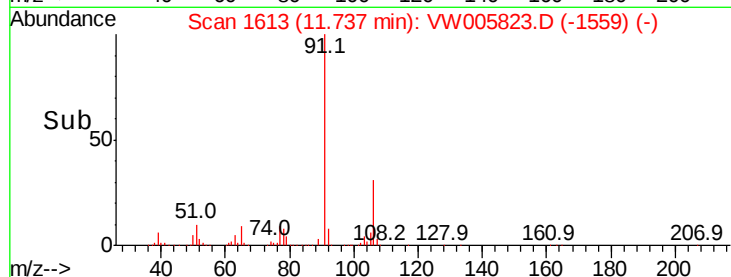
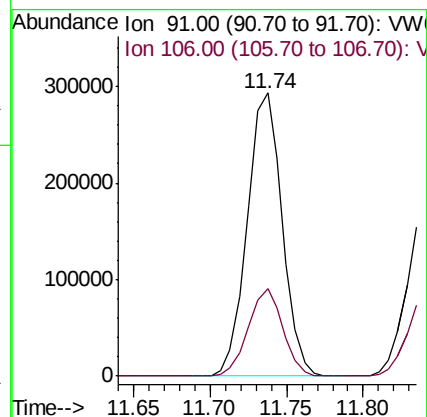
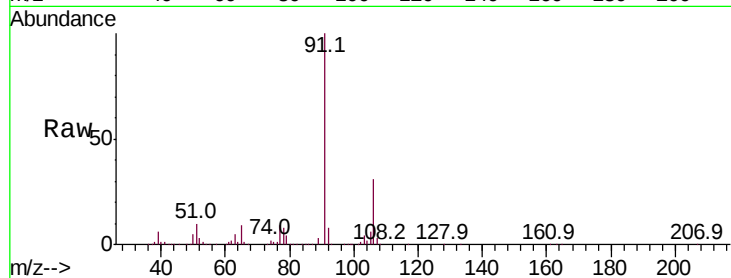
ClientSampleId :

Tot Ion: 91 Resp: 464703

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#54

m,p-Xylene

Concen: 25.032 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW005823.D

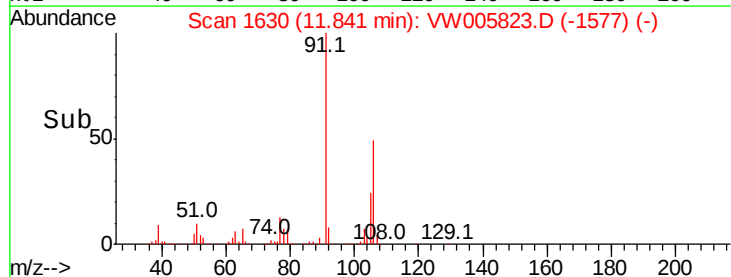
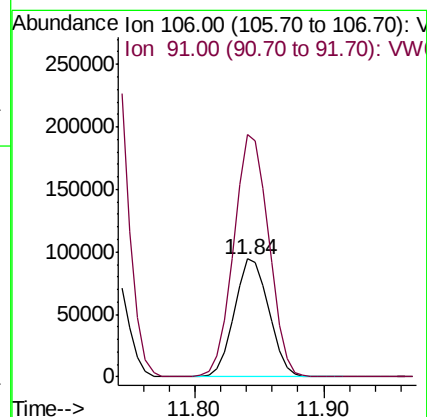
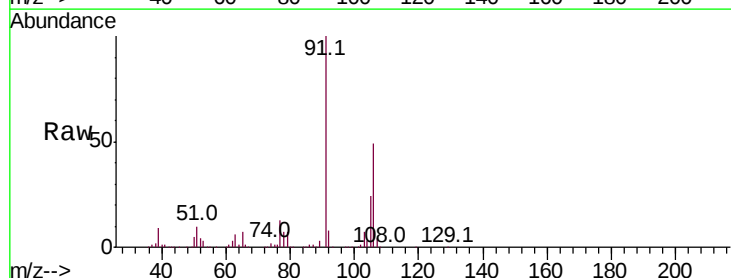
Acq: 03 Oct 2018 19:22

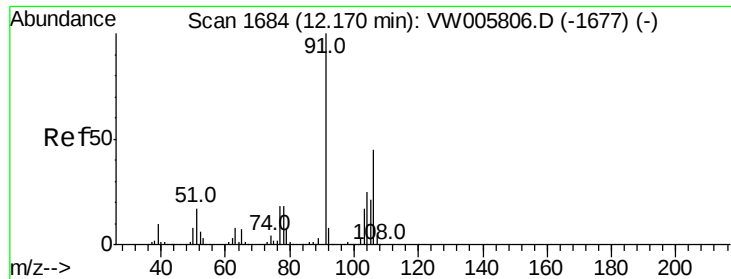
Tgt Ion: 106 Resp: 176455

Ion Ratio Lower Upper

106 100

91 206.1 147.7 274.3

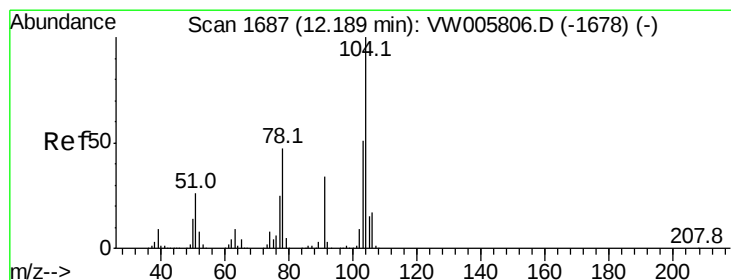
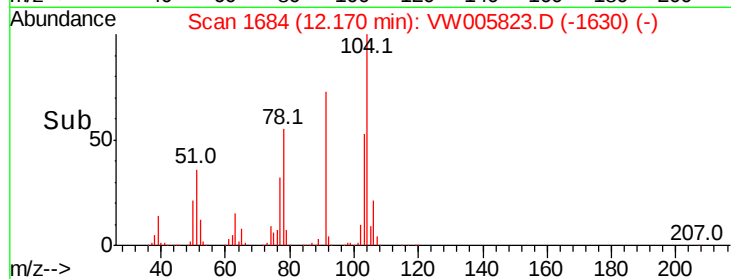
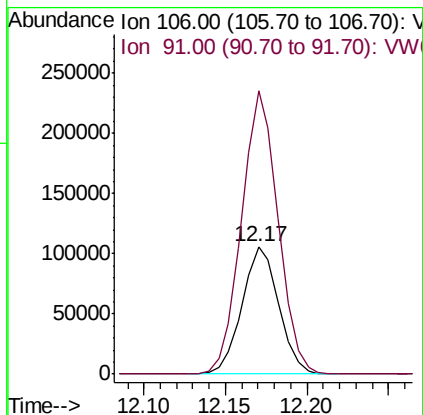
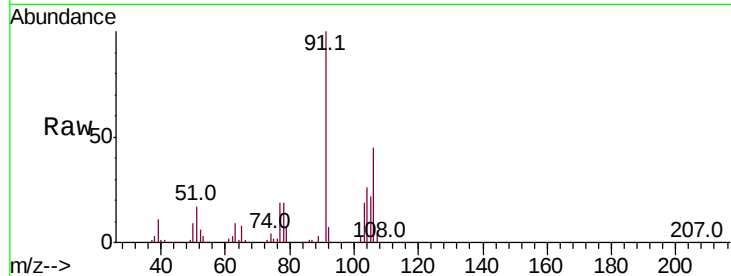




#55
o-xylene
Concen: 25.049 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

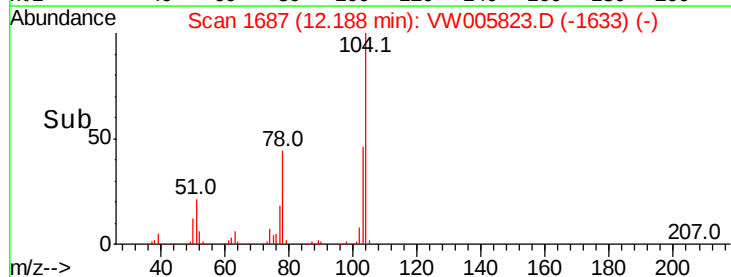
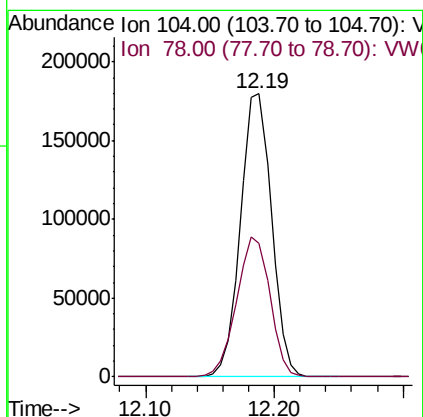
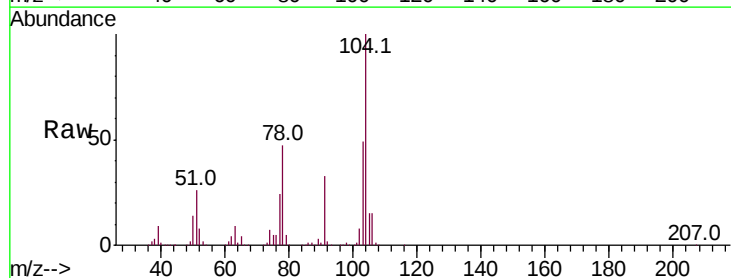
Instrument :
MSVOA_W
ClientSampled :

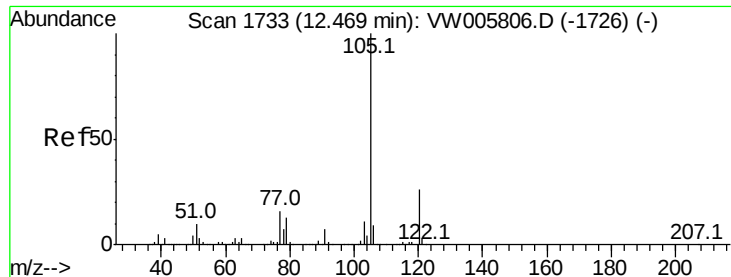
Tot Ion:106 Resp: 166432
Ion Ratio Lower Upper
106 100
91 222.2 156.5 290.7



#56
Styrene
Concen: 25.757 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005823.D
Acq: 03 Oct 2018 19:22

Tgt Ion:104 Resp: 300329
Ion Ratio Lower Upper
104 100
78 47.0 32.2 59.8





#57

Isopropylbenzene

Concen: 25.211 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

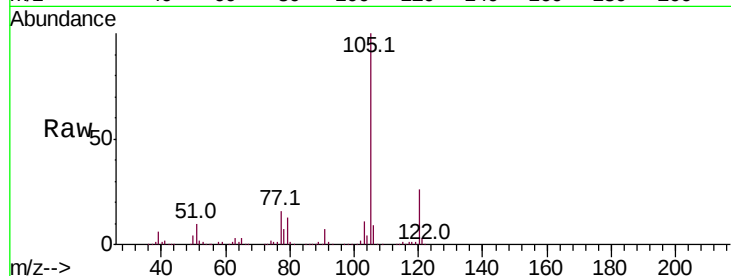
Tot Ion:105 Resp: 478451

Ion Ratio Lower Upper

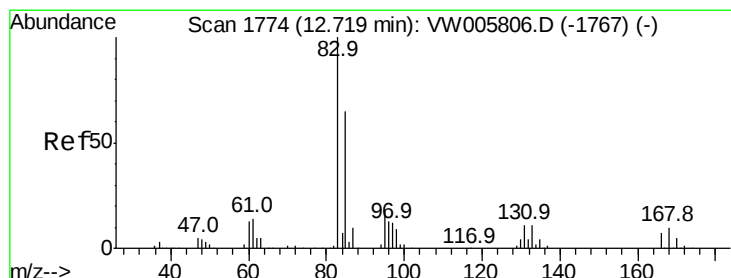
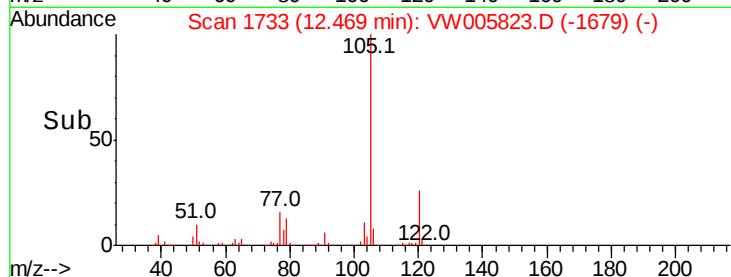
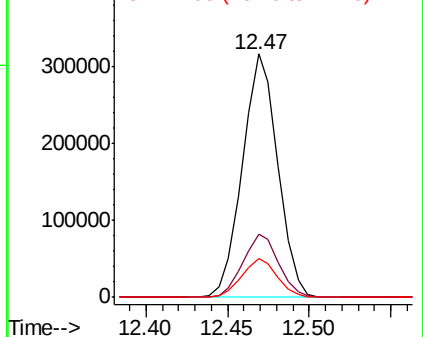
105 100

120 26.1 20.7 31.1

77 16.0 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.549 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

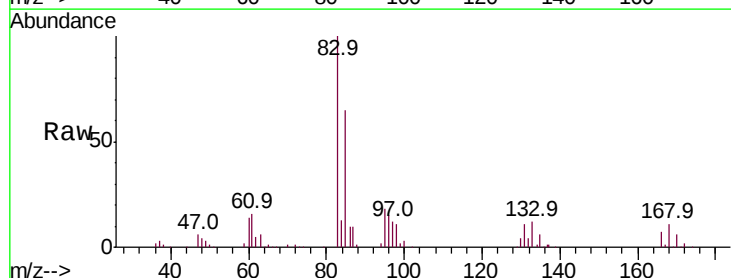
Tgt Ion: 83 Resp: 96925

Ion Ratio Lower Upper

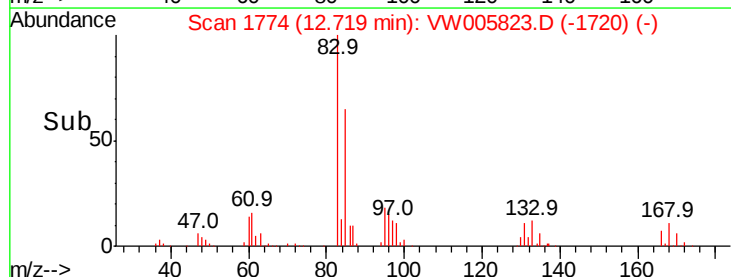
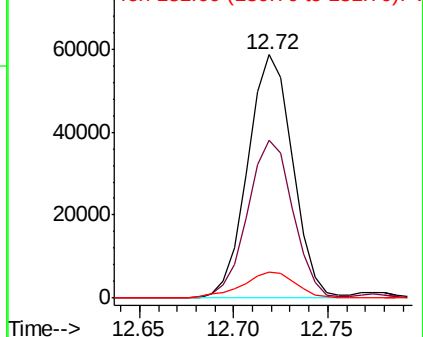
83 100

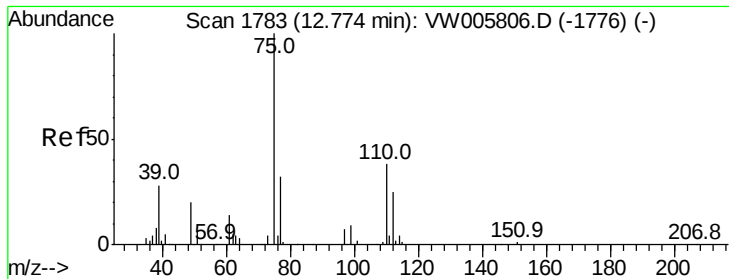
85 64.8 43.0 80.0

131 10.6 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V

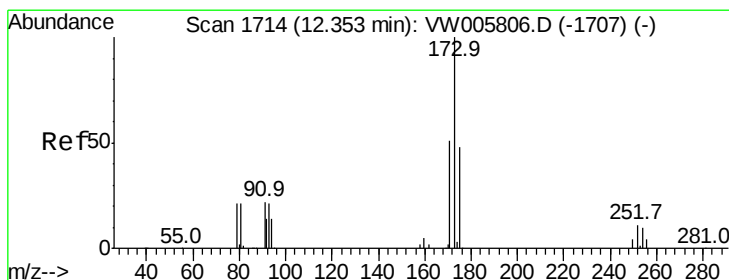
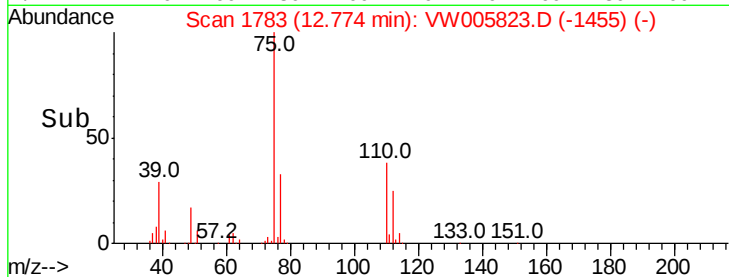
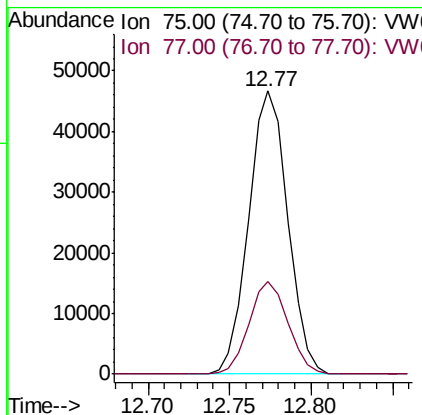
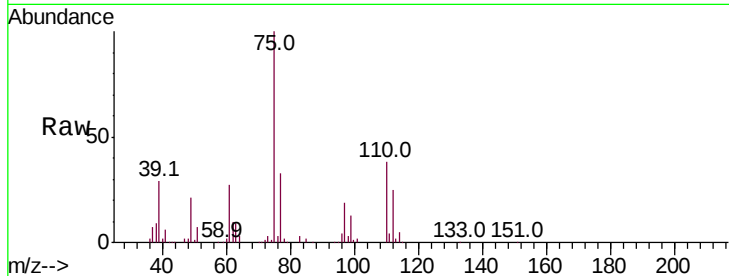




#59
 1,2,3-Trichloropropane
 Concen: 25.325 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

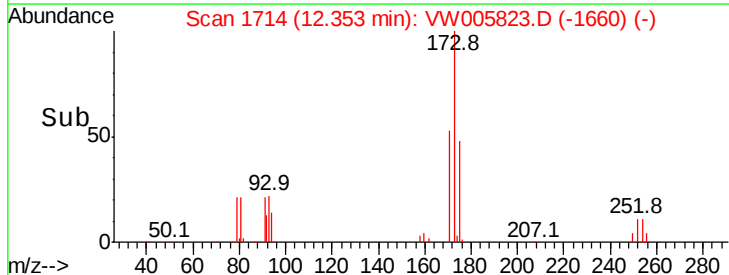
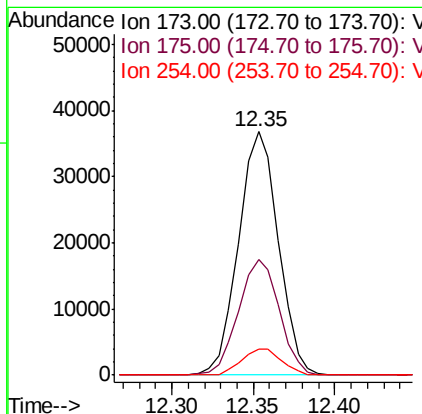
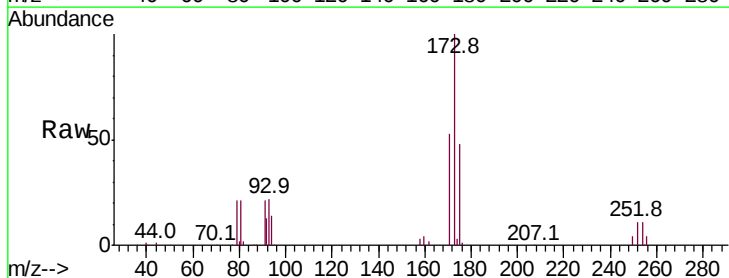
Instrument :
 MSVOA_W
 ClientSampled :

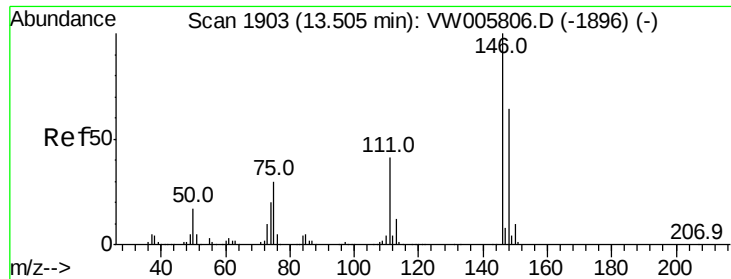
Tot Ion: 75 Resp: 77988
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.2 37.8



#62
 Bromoform
 Concen: 25.924 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion: 173 Resp: 62599
 Ion Ratio Lower Upper
 173 100
 175 48.6 40.0 60.0
 254 10.7 8.6 13.0

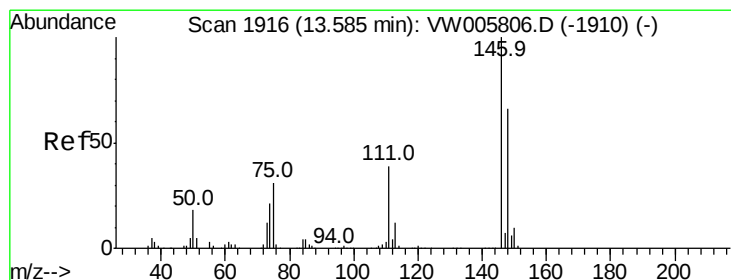
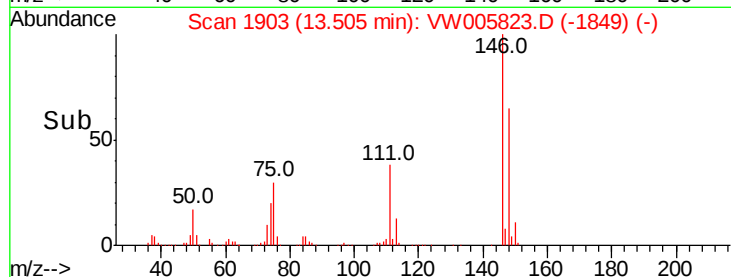
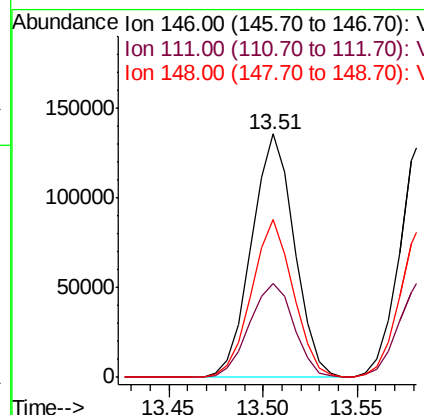
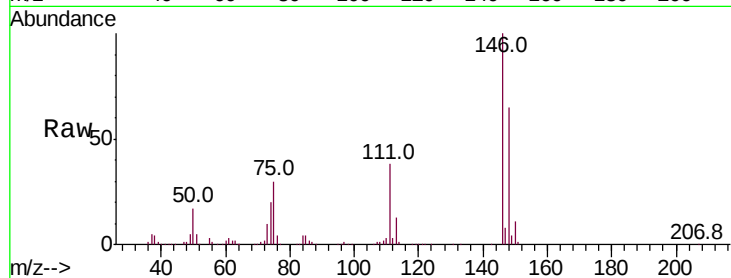




#63
 1,3-Dichlorobenzene
 Concen: 24.752 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

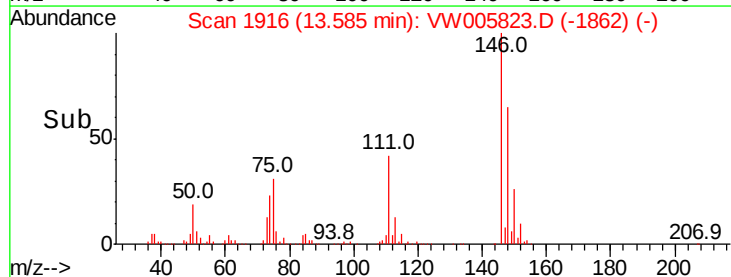
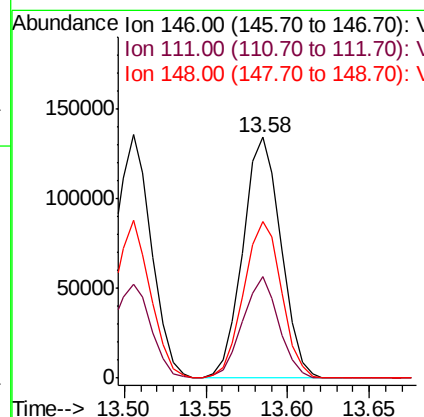
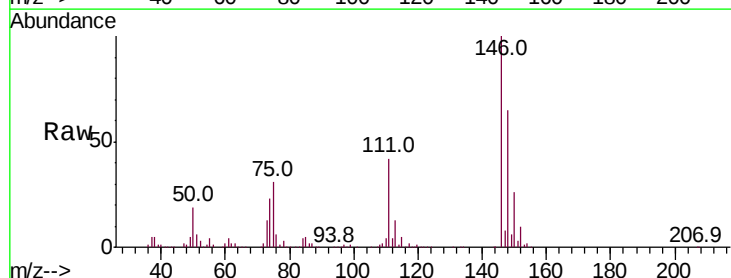
Instrument :
 MSVOA_W
 ClientSampleId :

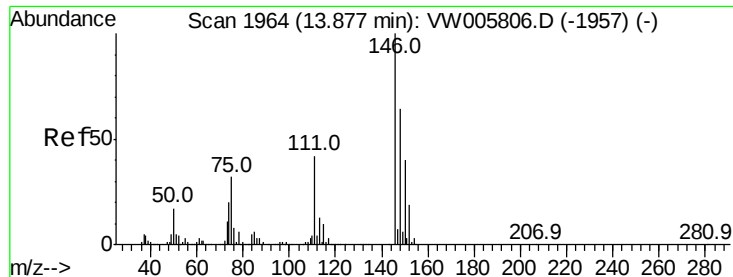
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.2	50.6
148	64.9	46.2	85.8



#64
 1,4-Dichlorobenzene
 Concen: 24.254 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.4	52.8
148	65.0	46.3	86.1





#65

1,2-Dichlorobenzene

Concen: 25.327 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005823.D

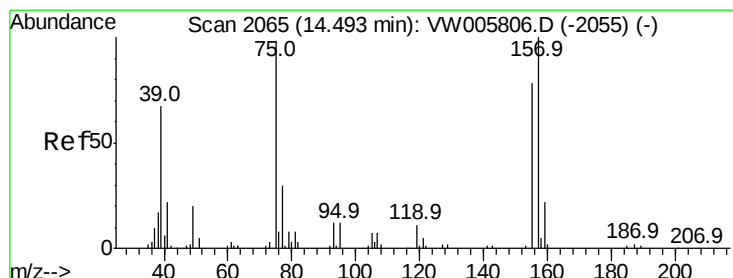
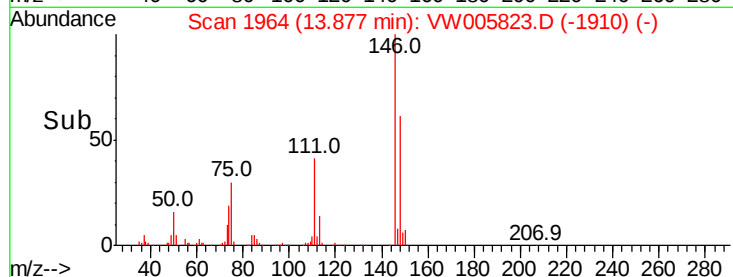
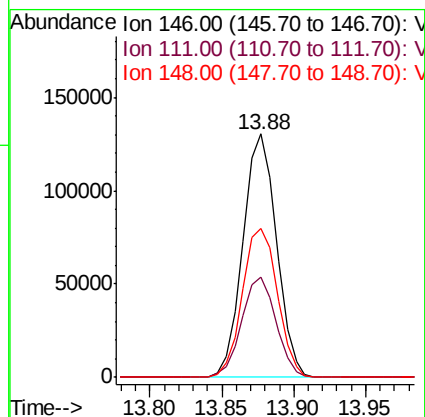
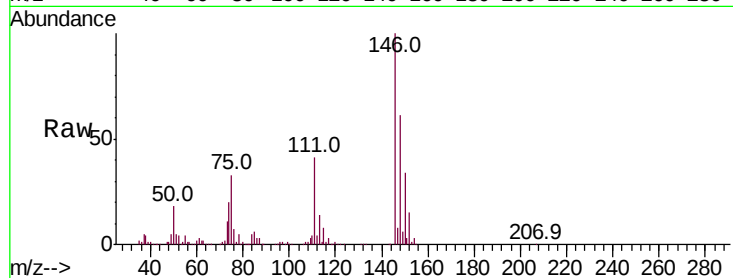
Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	210200
Ion	Ratio	Lower	Upper
146	100		
111	41.0	34.6	51.8
148	61.1	51.5	77.3



#66

1,2-Dibromo-3-chloropropane

Concen: 25.037 ug/L

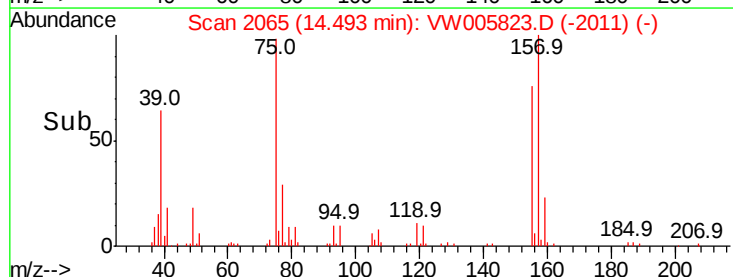
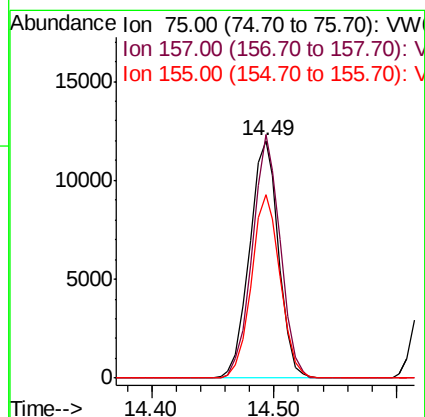
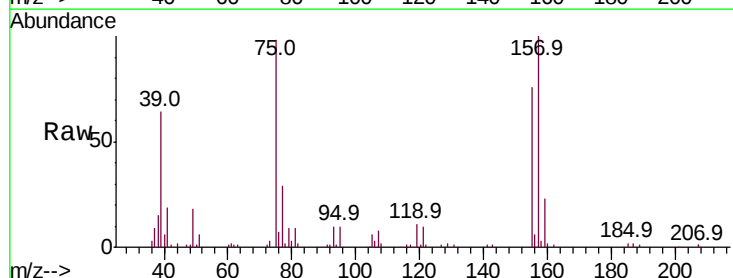
RT: 14.49 min Scan# 2065

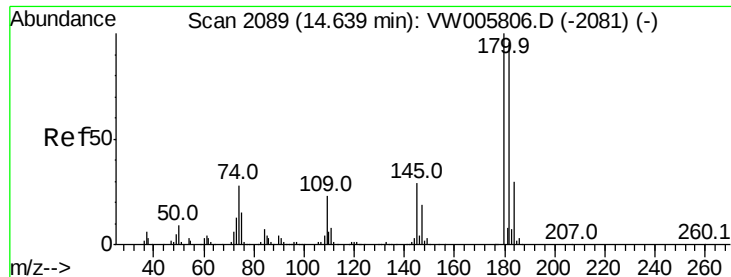
Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Tgt Ion:	75	Resp:	19758
Ion	Ratio	Lower	Upper
75	100		
157	102.5	76.9	115.3
155	77.4	64.2	96.2

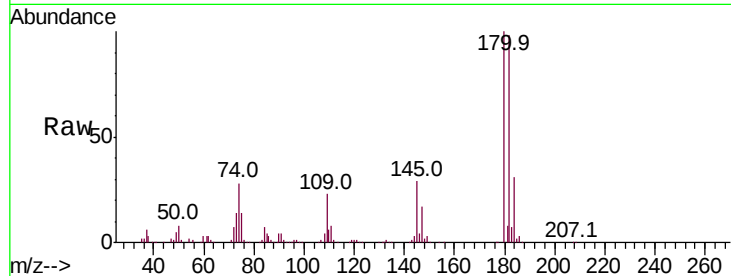




#67
 1,3,5-Trichlorobenzene
 Concen: 24.578 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.7	116.5
184	31.0	24.6	37.0
145	29.7	23.8	35.6



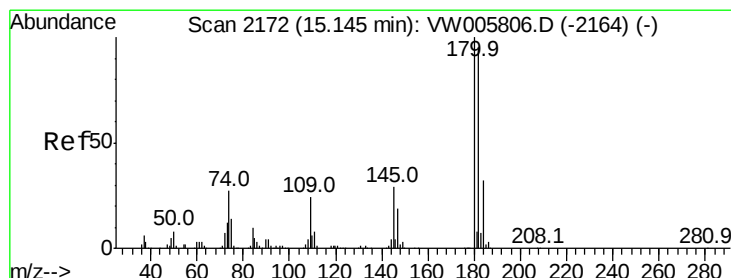
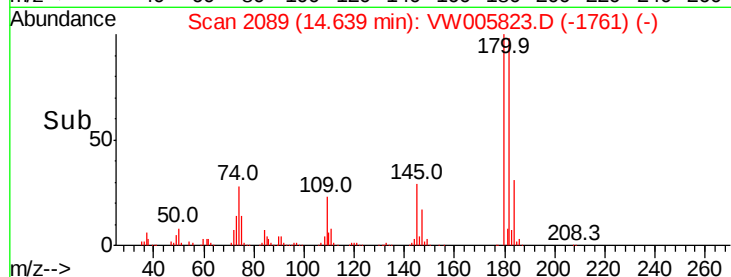
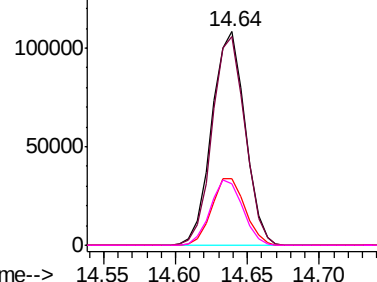
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

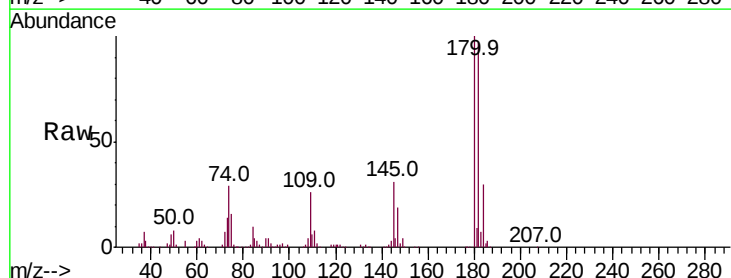
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.049 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005823.D
 Acq: 03 Oct 2018 19:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.6
145	30.3	23.8	35.6

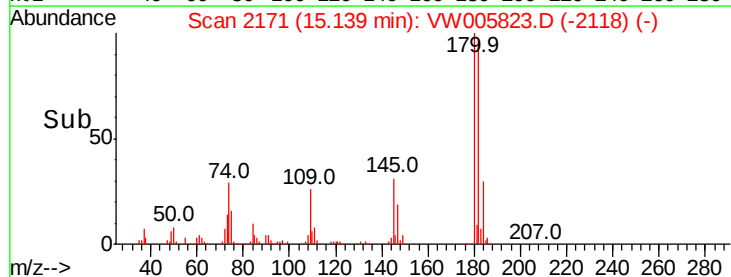
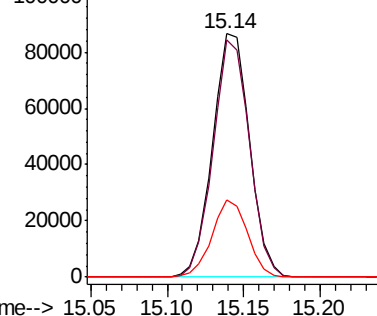


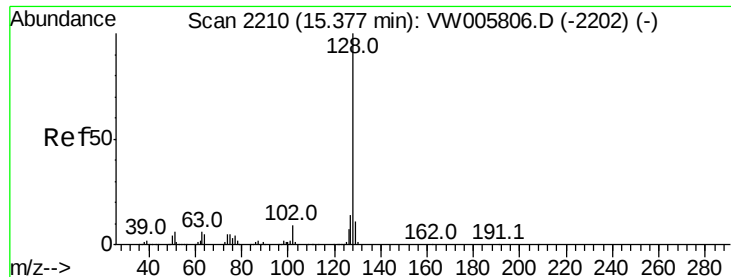
Abundance

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: 25.340 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

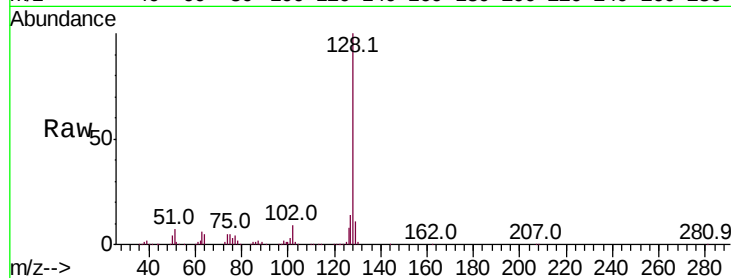
Tot Ion:128 Resp: 295268

Ion Ratio Lower Upper

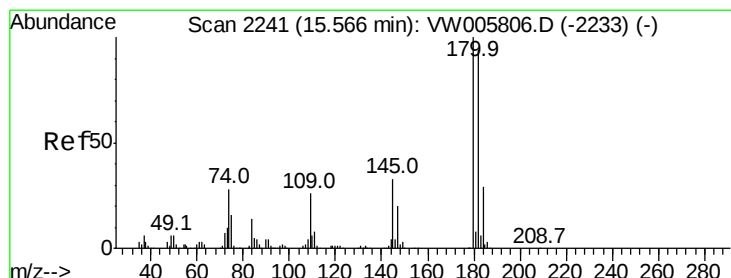
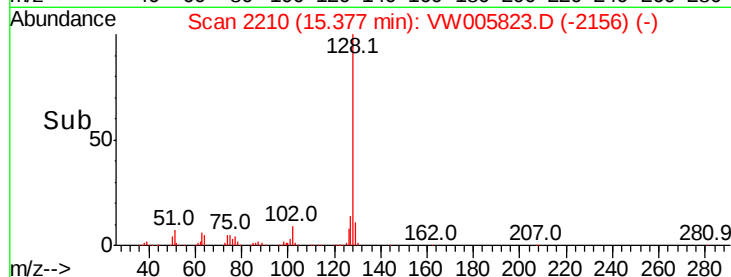
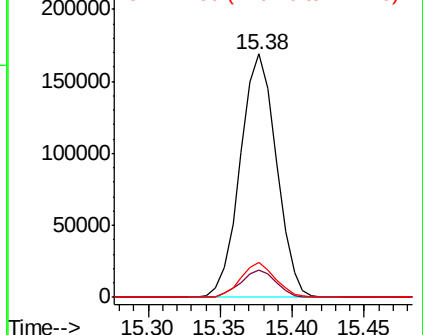
128 100

129 11.0 8.8 13.2

127 13.6 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.343 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005823.D

Acq: 03 Oct 2018 19:22

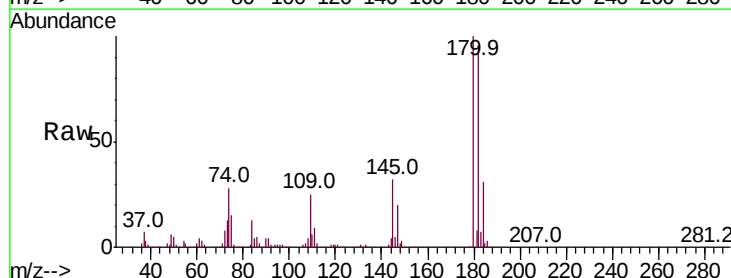
Tgt Ion:180 Resp: 138122

Ion Ratio Lower Upper

180 100

182 97.0 76.8 115.2

145 32.2 25.5 38.3



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

