

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100118\
 Data File : VW005730.D
 Acq On : 01 Oct 2018 11:19
 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 02 05:41:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 01 05:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	277322	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	257823	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	139935	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	75510	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.44%
7) Chloroethane-d5	2.90	69	62086	22.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
10) 1,1-Dichloroethene-d2	4.01	63	171712	22.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.00%
20) 2-Butanone-d5	7.09	46	58111	51.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.40%
24) Chloroform-d	7.65	84	172517	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	8.31	65	104445	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.84%
29) Benzene-d6	8.27	84	319056	25.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.00%
33) 1,2-Dichloropropane-d6	9.28	67	92935	25.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.76%
37) Toluene-d8	10.33	98	304554	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.68%
38) trans-1,3-Dichloropropene-	10.59	79	47057	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	10.93	63	45043	52.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.28%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	91949	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.87	152	118129	23.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	80189	24.659	ug/L 97
3) Chloromethane	2.21	50	60221	19.880	ug/L 96
5) Vinyl chloride	2.37	62	100238	22.949	ug/L 98
6) Bromomethane	2.78	94	59219	22.534	ug/L 100
8) Chloroethane	2.93	64	57389	23.631	ug/L 94
9) Trichlorofluoromethane	3.26	101	83240	24.942	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	89769	23.811	ug/L 100
12) 1,1-Dichloroethene	4.03	96	83158	23.095	ug/L 97
13) Acetone	4.15	43	54860	46.417	ug/L 98
14) Carbon disulfide	4.37	76	251146	22.245	ug/L 98
15) Methyl Acetate	4.68	43	49800	23.743	ug/L 96
16) Methylene chloride	4.92	84	92269	20.179	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	135565	23.662	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	85442	23.073	ug/L 94
19) 1,1-Dichloroethane	6.21	63	161426	23.558	ug/L 99
21) 2-Butanone	7.18	43	65697	46.415	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	95190	23.648	ug/L 97

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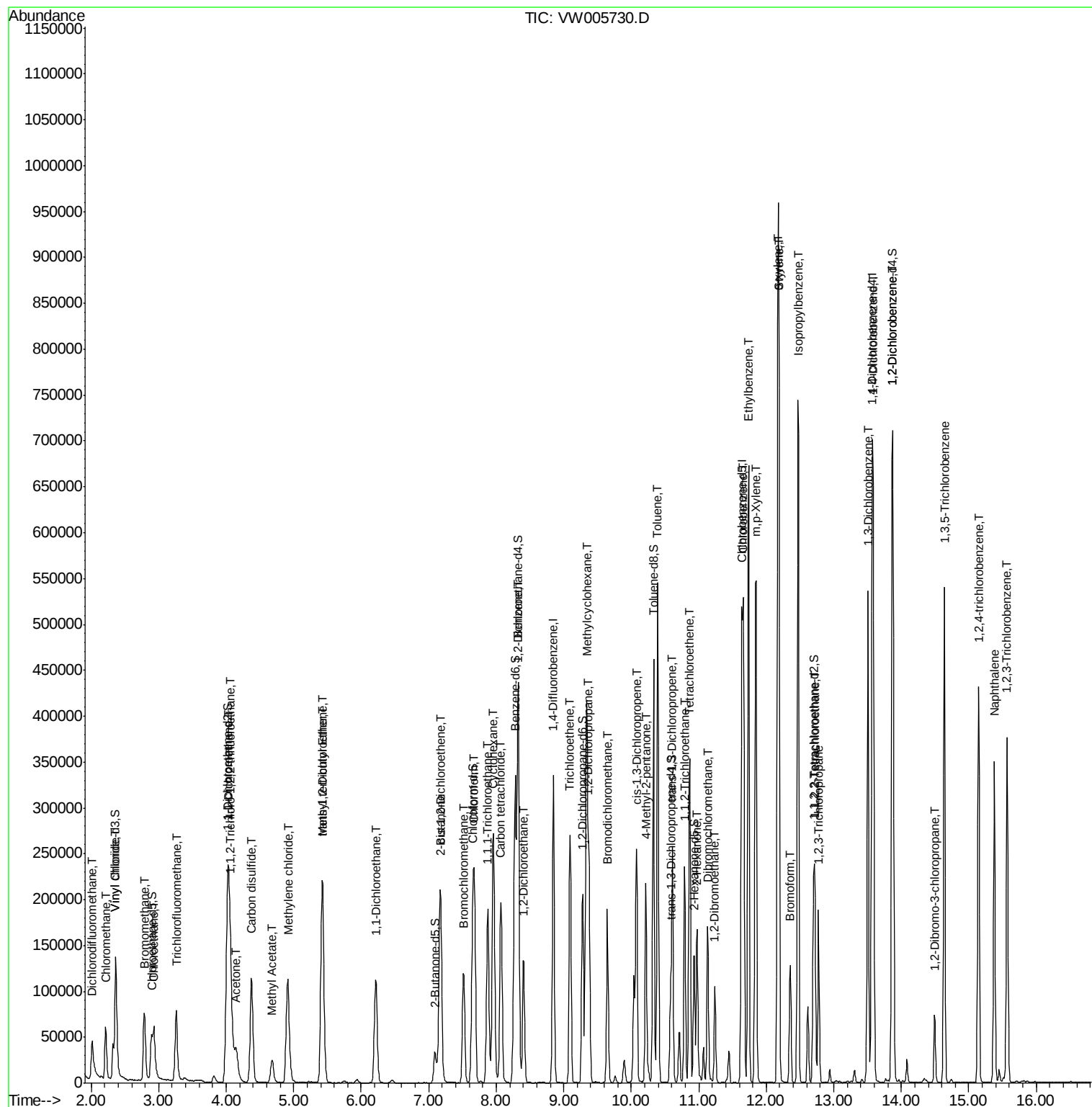
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	43840	23.466	ug/L	96
25) Chloroform	7.68	83	175409	23.925	ug/L	100
27) 1,2-Dichloroethane	8.40	62	129217	23.938	ug/L	97
30) Cyclohexane	7.96	56	145482	24.896	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	159518	25.265	ug/L	99
32) Carbon tetrachloride	8.07	117	152969	24.880	ug/L	99
34) Benzene	8.33	78	364970	25.053	ug/L	100
35) Trichloroethene	9.09	95	95371	24.471	ug/L	100
36) Methylcyclohexane	9.34	83	170151	25.107	ug/L	99
40) 1,2-Dichloropropane	9.37	63	88329	24.880	ug/L	100
41) Bromodichloromethane	9.65	83	125148	25.072	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	144610	24.665	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	137230	47.366	ug/L	97
44) Toluene	10.39	91	397946	24.445	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	135547	24.829	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	72180	24.365	ug/L	97
47) Tetrachloroethene	10.87	164	82234	23.950	ug/L	94
49) 2-Hexanone	10.98	43	102520	50.411	ug/L	99
50) Dibromochloromethane	11.13	129	92760	24.966	ug/L	97
51) 1,2-Dibromoethane	11.24	107	69785	24.365	ug/L	98
52) Chlorobenzene	11.66	112	257451	24.039	ug/L	100
53) Ethylbenzene	11.74	91	461912	24.781	ug/L	100
54) m,p-Xylene	11.85	106	173621	24.724	ug/L	98
55) o-xylene	12.17	106	164884	24.911	ug/L	100
56) Styrene	12.19	104	291589	25.103	ug/L	99
57) Isopropylbenzene	12.47	105	473458	25.043	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	95619	25.302	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	75888	24.737	ug/L	98
62) Bromoform	12.35	173	60356	24.255	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	214876	24.174	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	220735	23.780	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	202542	23.681	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19092	23.477	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	170428	23.362	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	141974	23.691	ug/L	99
69) Naphthalene	15.38	128	296480	24.691	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	132732	23.633	ug/L	99

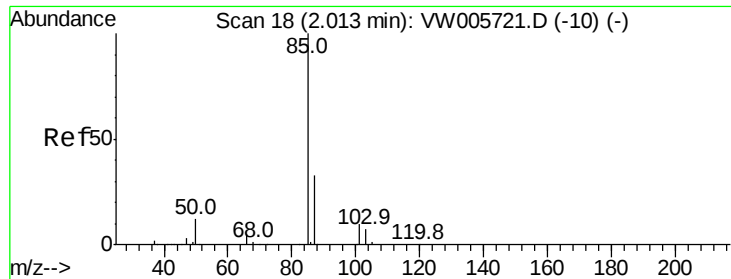
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.659 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

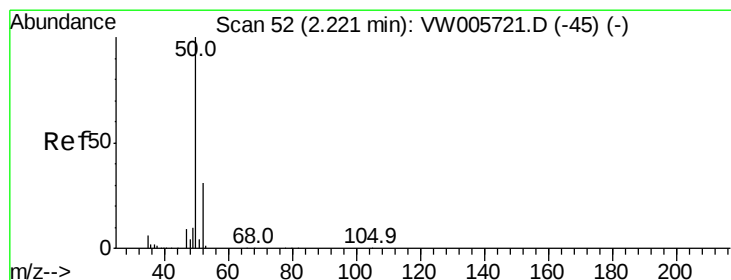
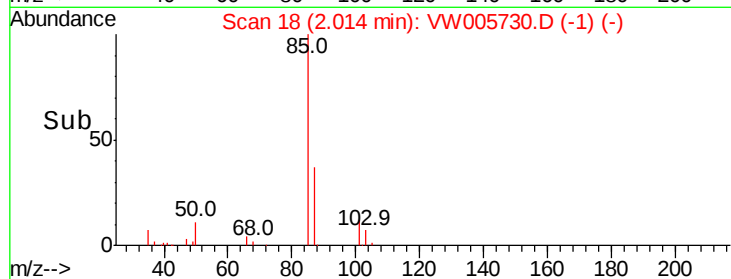
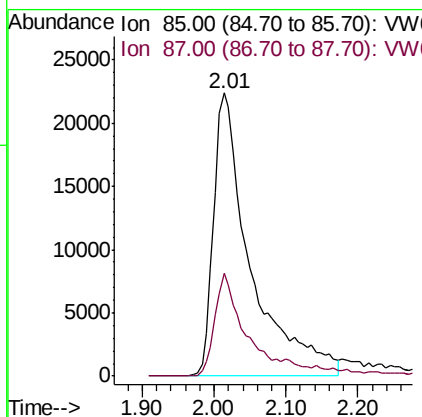
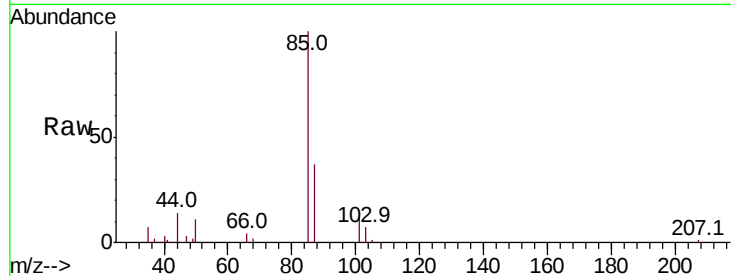
ClientSampled :

Tot Ion: 85 Resp: 80189

Ion Ratio Lower Upper

85 100

87 28.7 19.2 35.6



#3

Chloromethane

Concen: 19.880 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005730.D

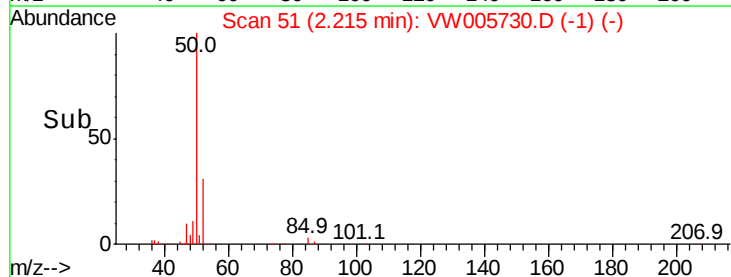
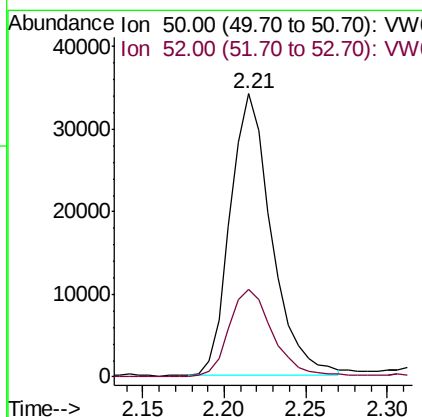
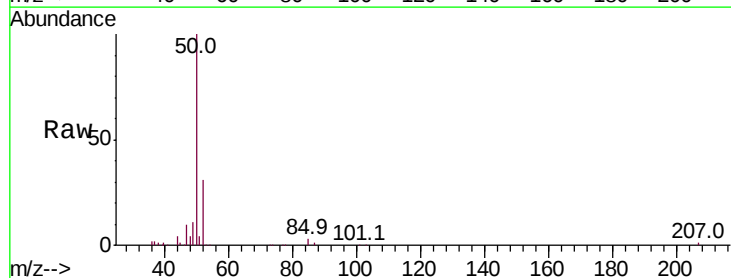
Acq: 01 Oct 2018 11:19

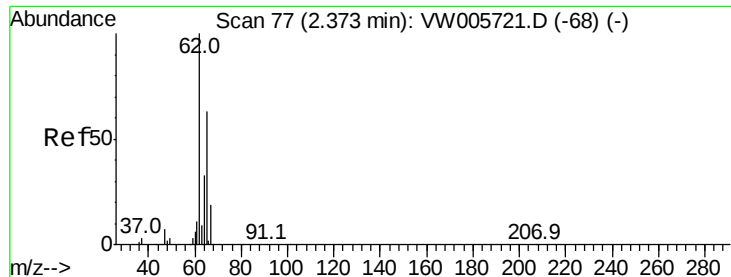
Tgt Ion: 50 Resp: 60221

Ion Ratio Lower Upper

50 100

52 31.1 23.4 43.4





#5

Vinyl chloride

Concen: 22.949 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

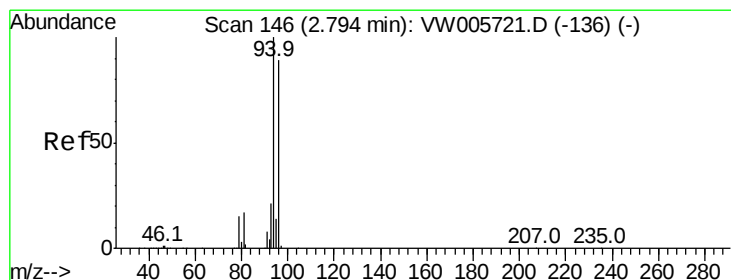
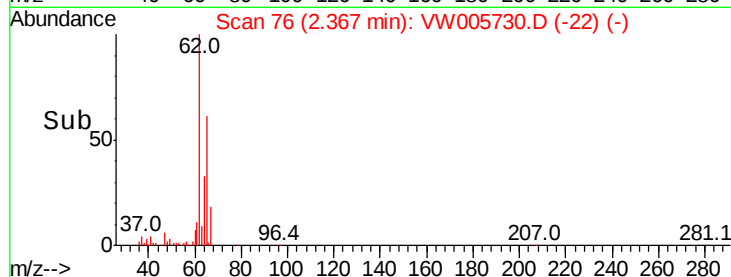
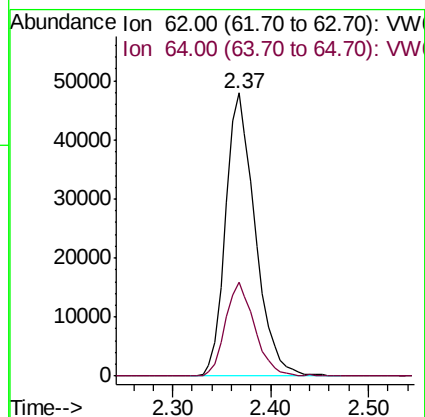
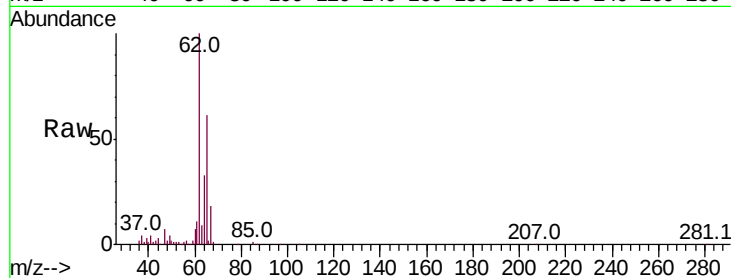
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 100238

Ion Ratio Lower Upper

62 100

64 33.4 24.1 44.7



#6

Bromomethane

Concen: 22.534 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW005730.D

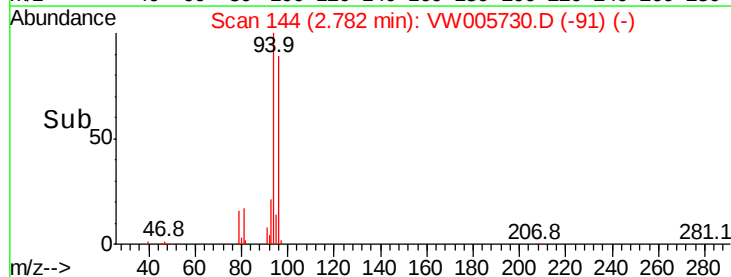
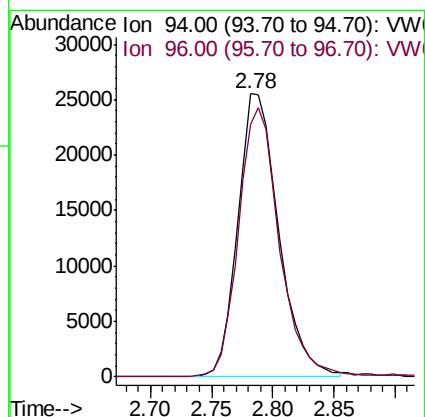
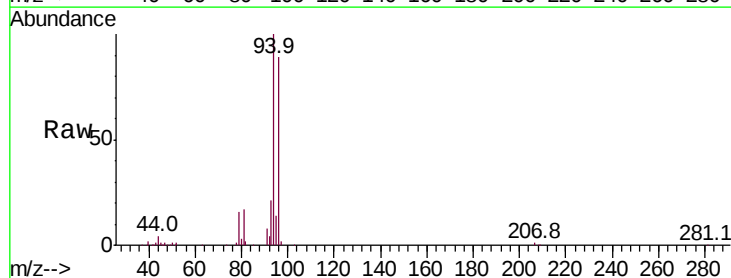
Acq: 01 Oct 2018 11:19

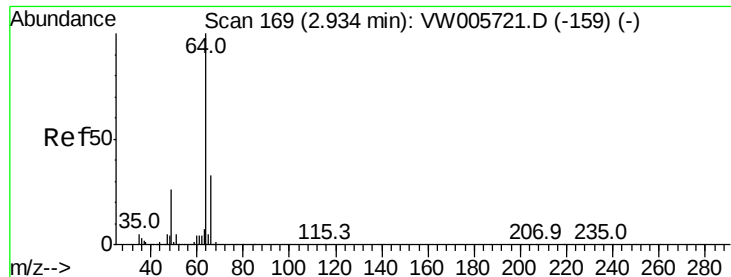
Tgt Ion: 94 Resp: 59219

Ion Ratio Lower Upper

94 100

96 95.2 9.6 181.6





#8

Chloroethane

Concen: 23.631 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

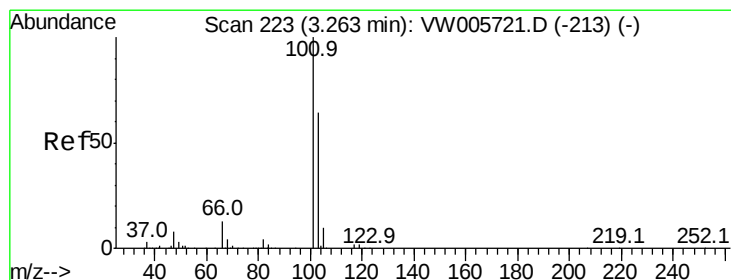
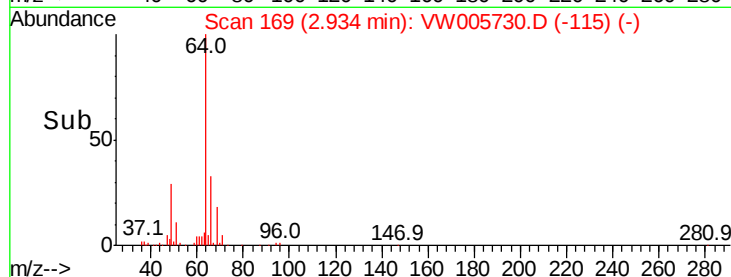
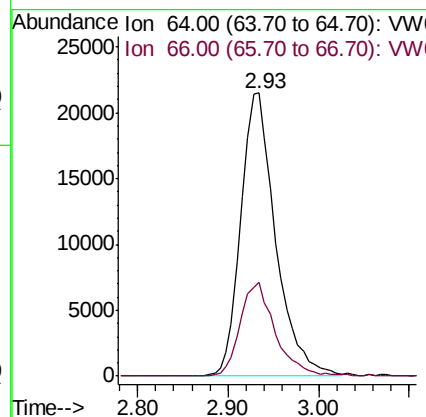
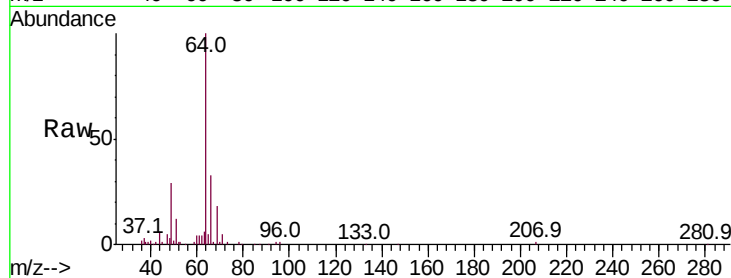
ClientSampleId :

Tot Ion: 64 Resp: 57389

Ion Ratio Lower Upper

64 100

66 33.4 21.1 39.3



#9

Trichlorofluoromethane

Concen: 24.942 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW005730.D

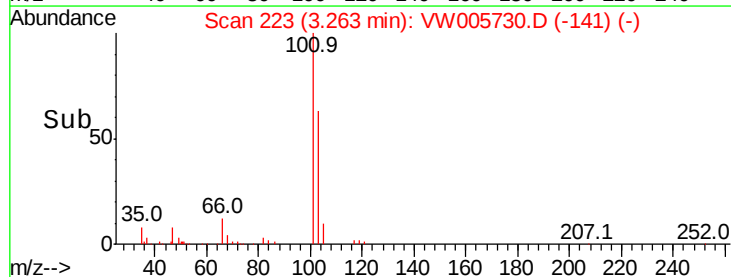
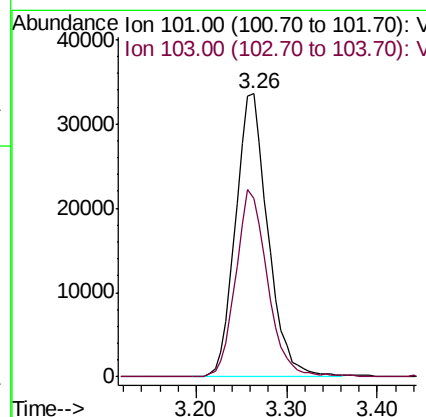
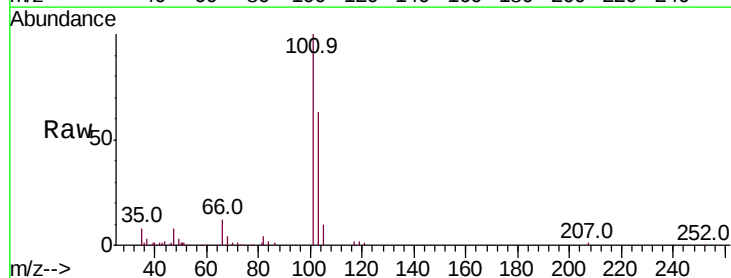
Acq: 01 Oct 2018 11:19

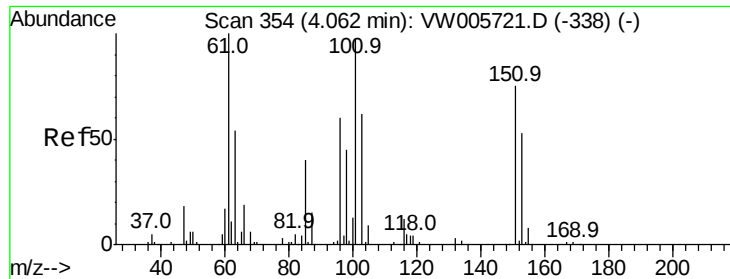
Tgt Ion: 101 Resp: 83240

Ion Ratio Lower Upper

101 100

103 64.2 44.9 83.5





#11

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

Concen: 23.811 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

ClientSampled :

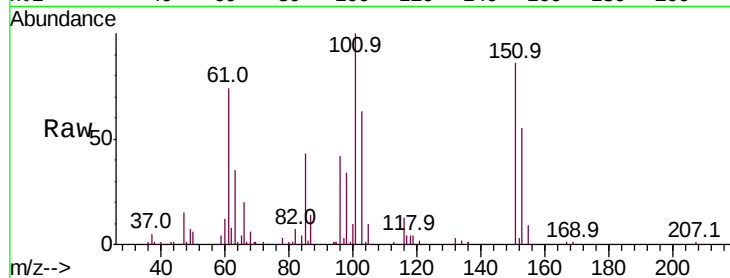
Tot Ion:101 Resp: 89769

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.4

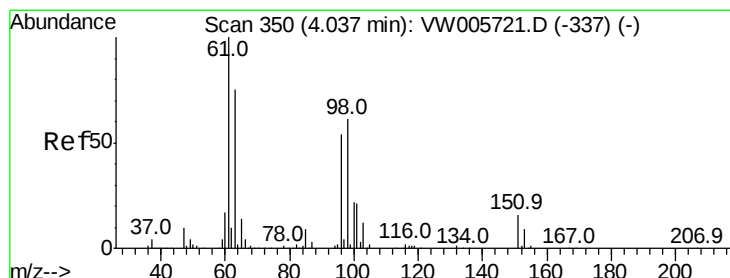
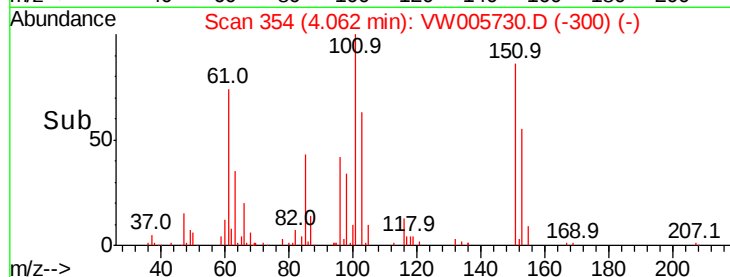
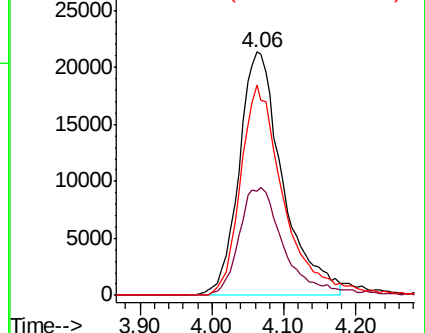
151 82.5 66.4 99.6



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: 23.095 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

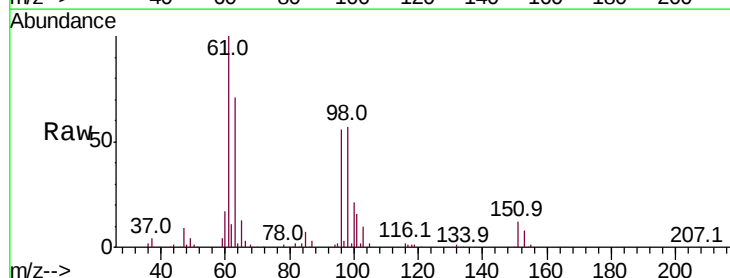
Tgt Ion: 96 Resp: 83158

Ion Ratio Lower Upper

96 100

61 178.8 121.4 225.6

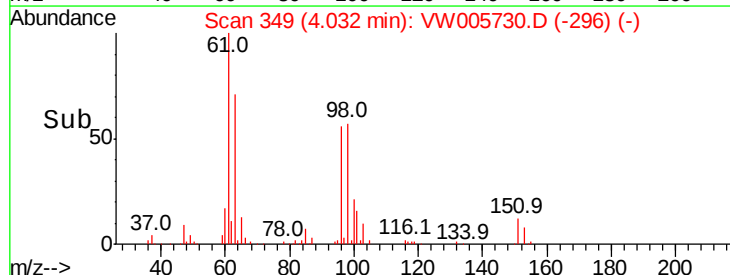
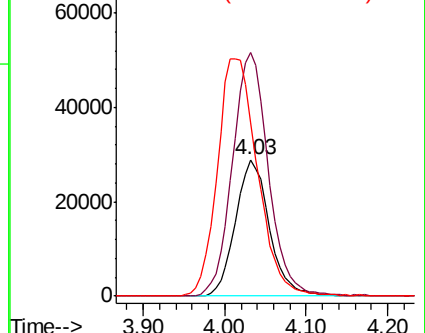
63 127.6 87.2 161.9

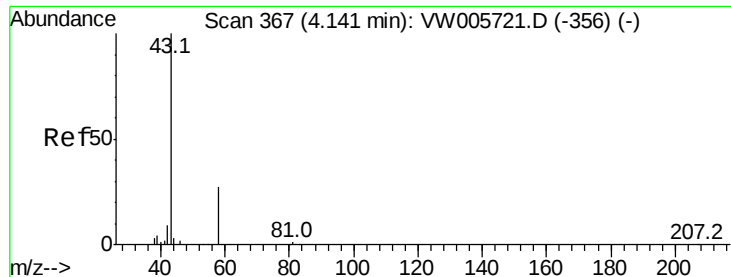


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.417 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

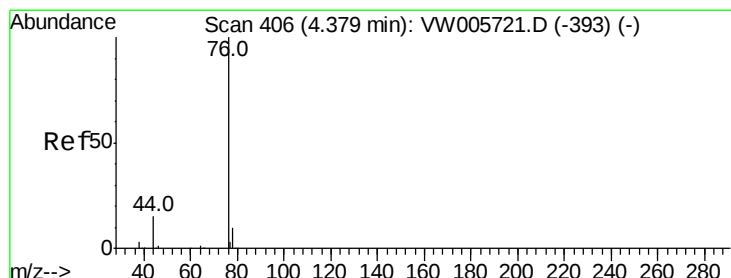
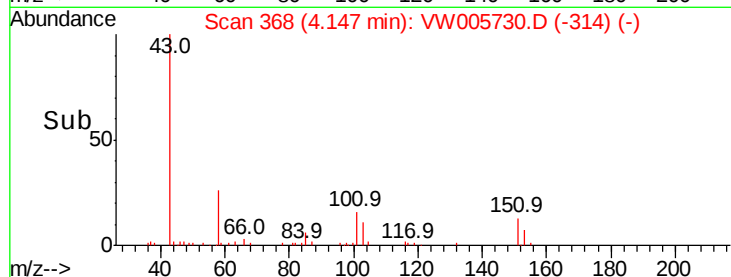
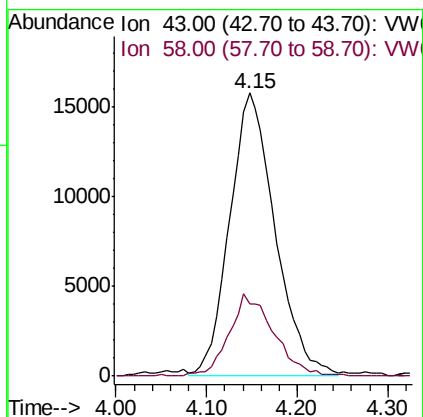
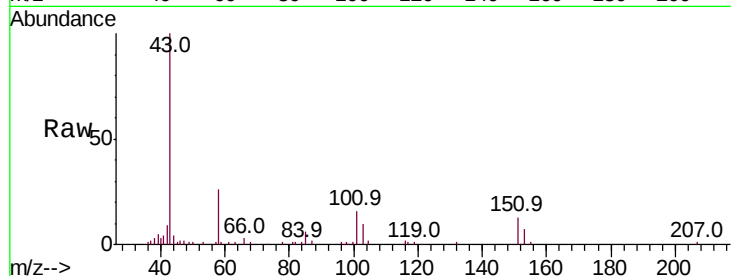
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 54860

Ion Ratio Lower Upper

43 100

58 16.6 0.0 31.8



#14

Carbon disulfide

Concen: 22.245 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005730.D

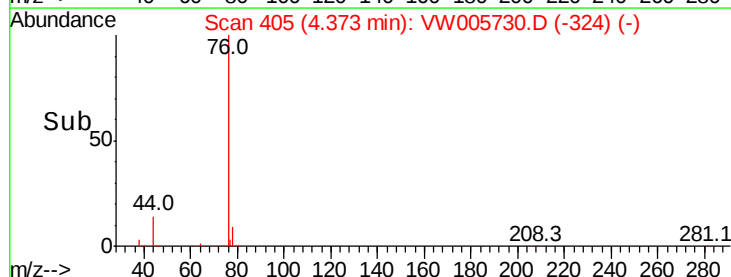
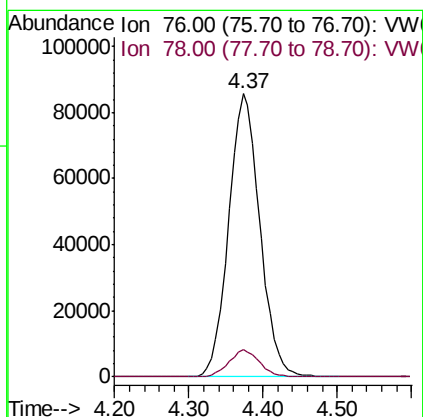
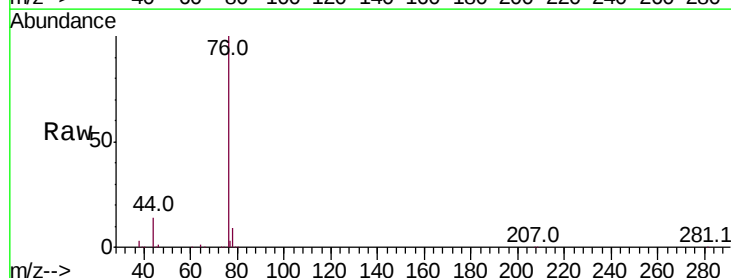
Acq: 01 Oct 2018 11:19

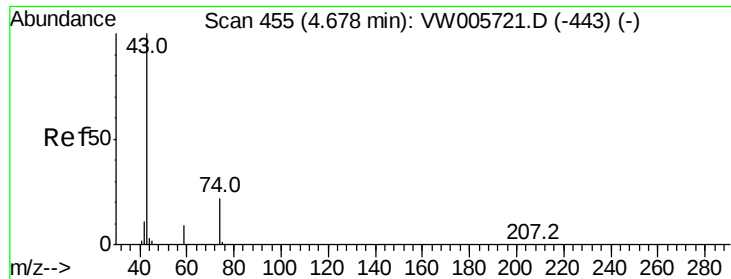
Tgt Ion: 76 Resp: 251146

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

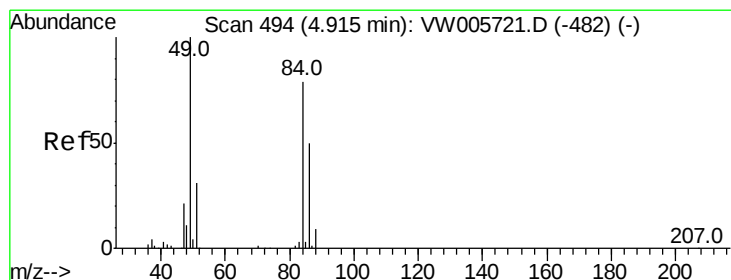
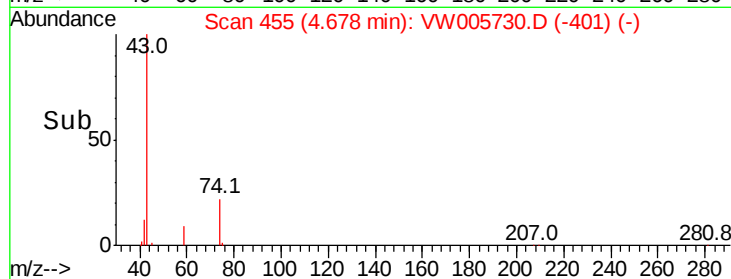
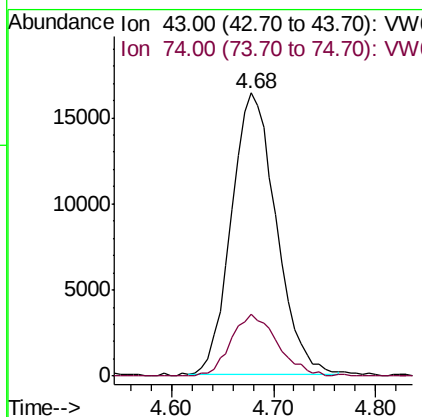
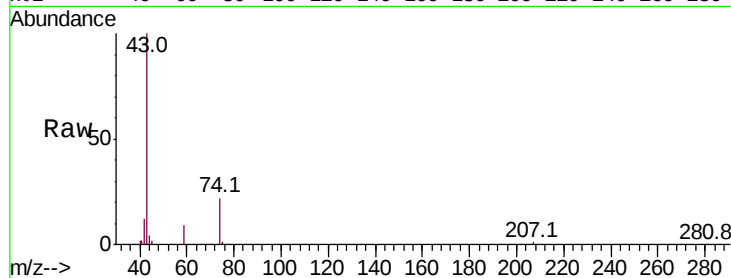




#15
Methvl Acetate
Concen: 23.743 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

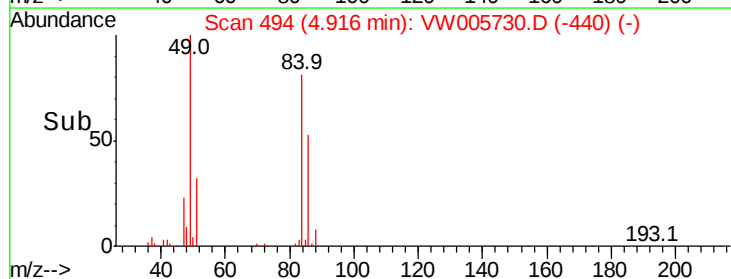
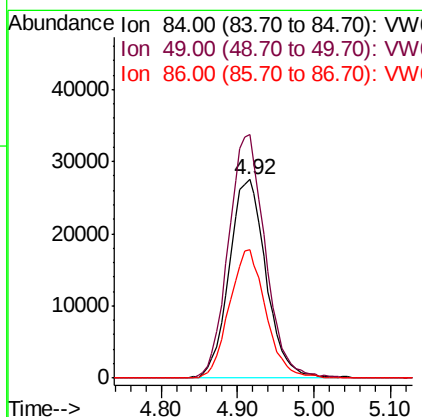
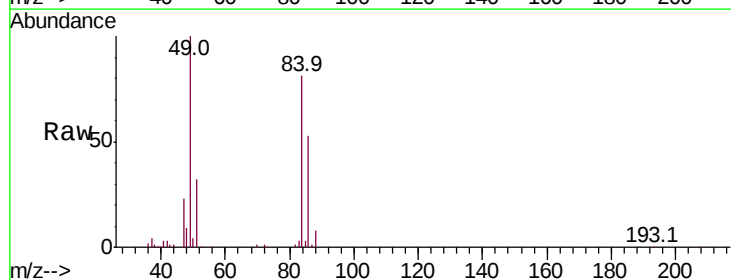
Instrument :
MSVOA_W
ClientSampled :

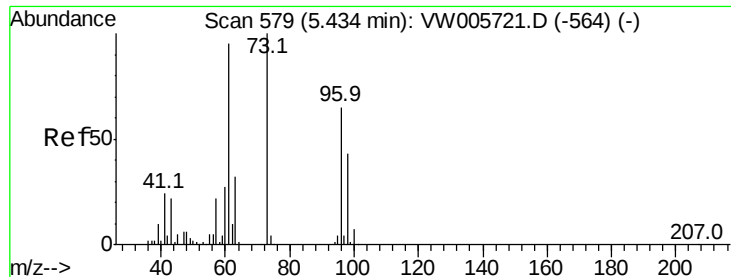
Tot Ion: 43 Resp: 49800
Ion Ratio Lower Upper
43 100
74 22.6 19.5 29.3



#16
Methylene chloride
Concen: 20.179 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Tgt Ion: 84 Resp: 92269
Ion Ratio Lower Upper
84 100
49 122.8 87.2 162.0
86 64.8 43.2 80.2





#17

Methvl tert-butvl Ether

Concen: 23.662 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

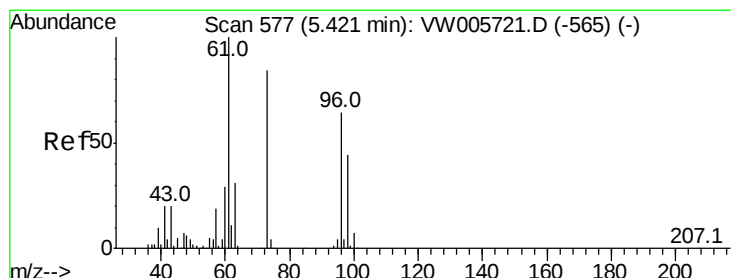
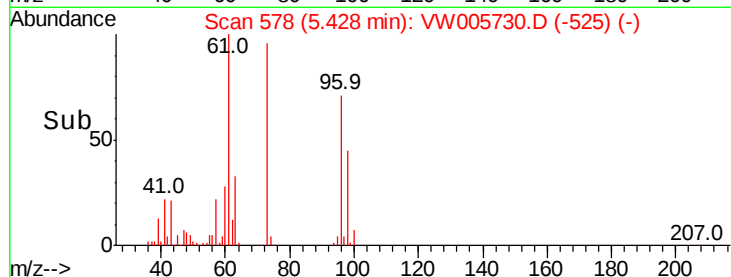
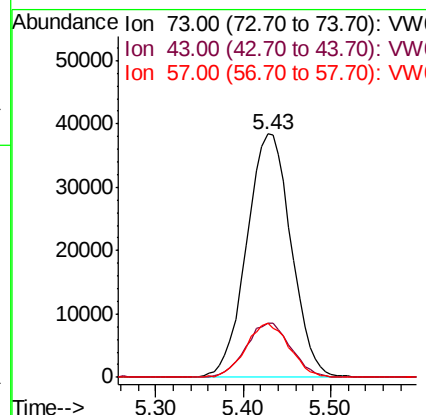
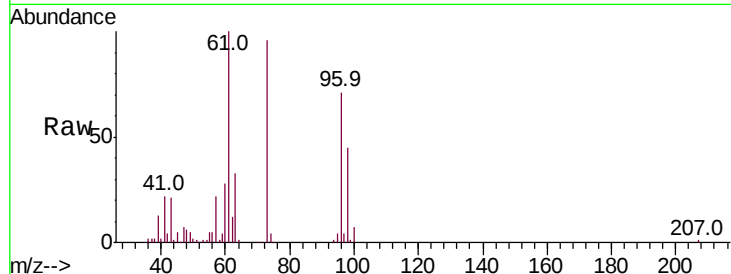
Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 135565

Ion	Ratio	Lower	Upper
73	100		
43	22.5	18.2	27.4
57	21.7	17.5	26.3



#18

trans-1,2-Dichloroethene

Concen: 23.073 ug/L

RT: 5.42 min Scan# 577

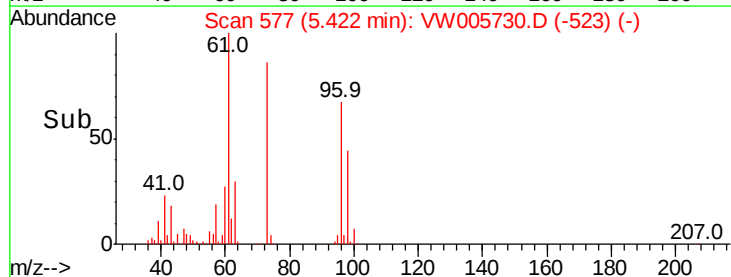
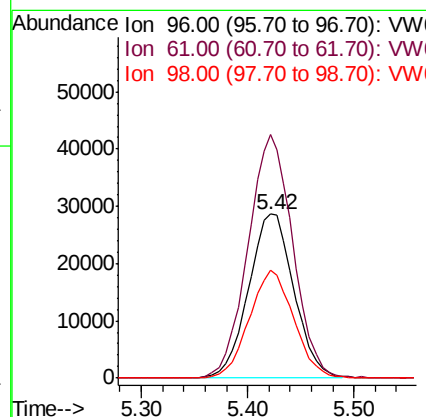
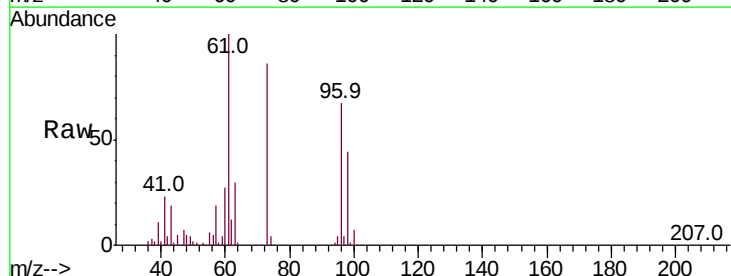
Delta R.T. 0.00 min

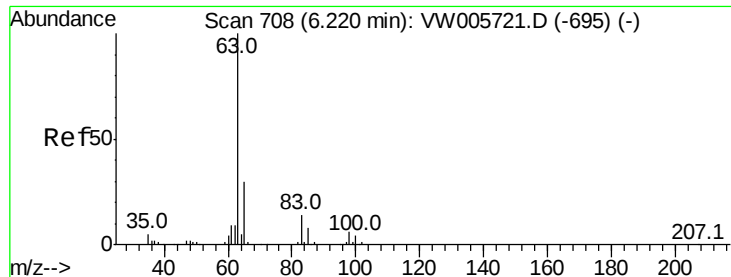
Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Tgt Ion: 96 Resp: 85442

Ion	Ratio	Lower	Upper
96	100		
61	148.5	98.6	183.2
98	65.9	43.7	81.1





#19

1,1-Dichloroethane

Concen: 23.558 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

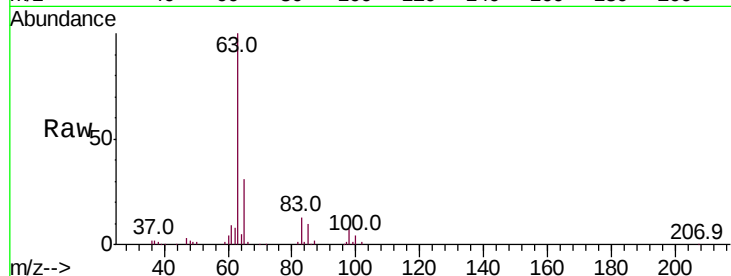
Tot Ion: 63 Resp: 161426

Ion Ratio Lower Upper

63 100

65 30.9 21.8 40.4

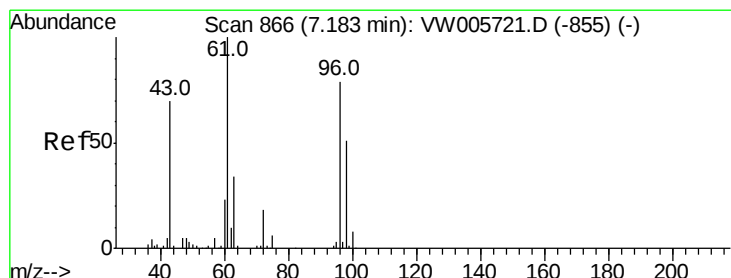
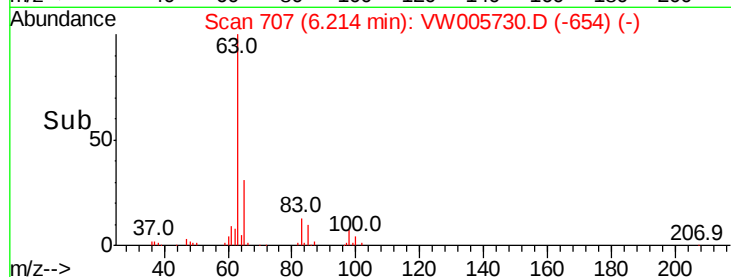
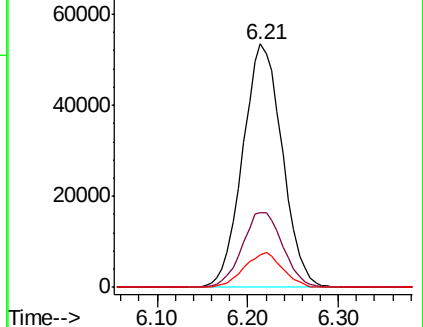
83 13.4 9.7 18.1



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: 46.415 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005730.D

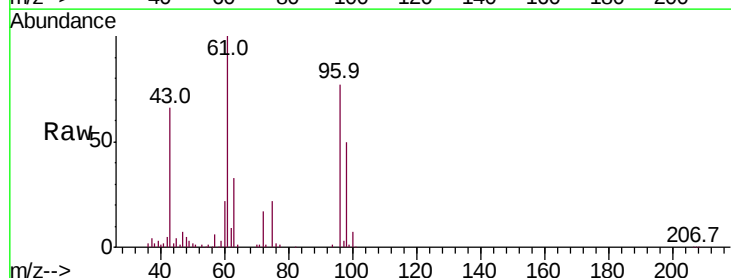
Acq: 01 Oct 2018 11:19

Tgt Ion: 43 Resp: 65697

Ion Ratio Lower Upper

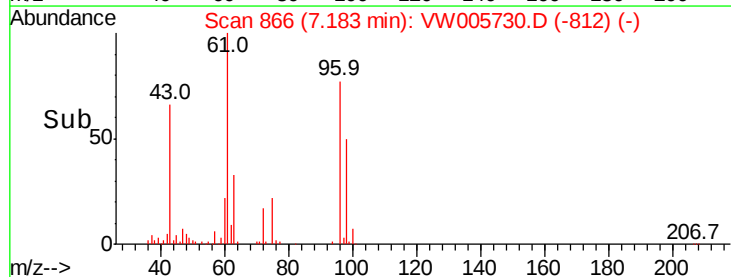
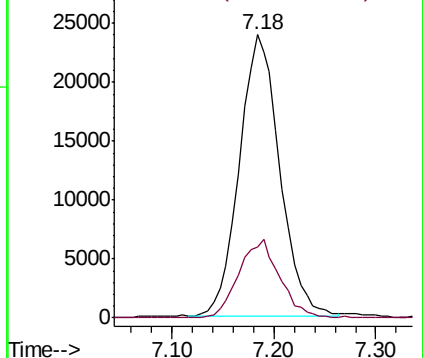
43 100

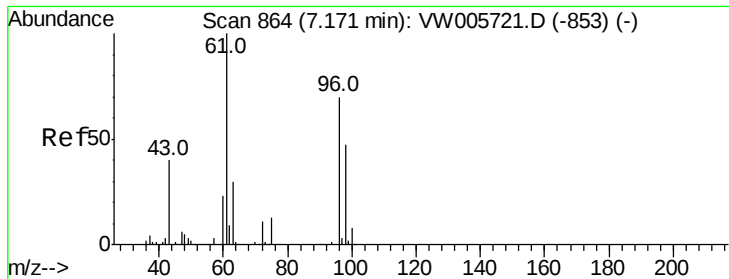
72 28.1 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



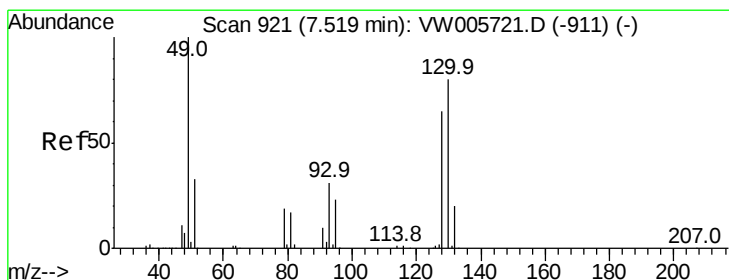
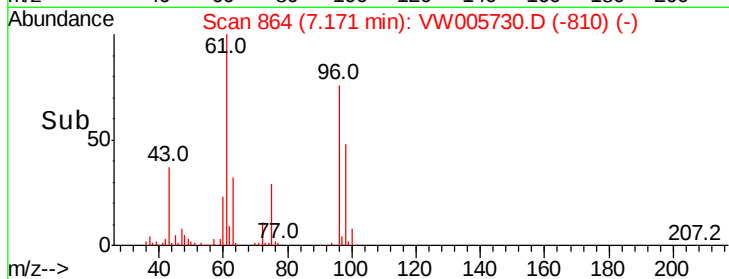
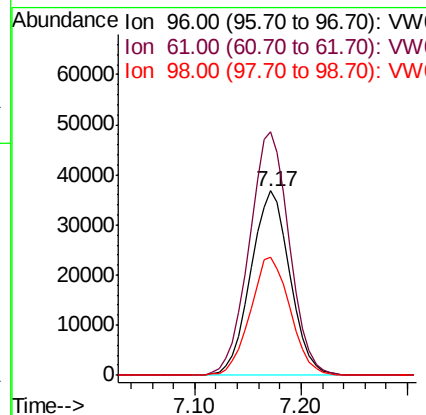
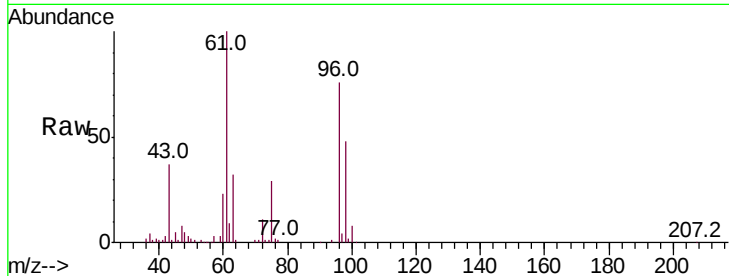


#22

cis-1,2-Dichloroethene
Concen: 23.648 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Instrument :
MSVOA_W
ClientSampleId :

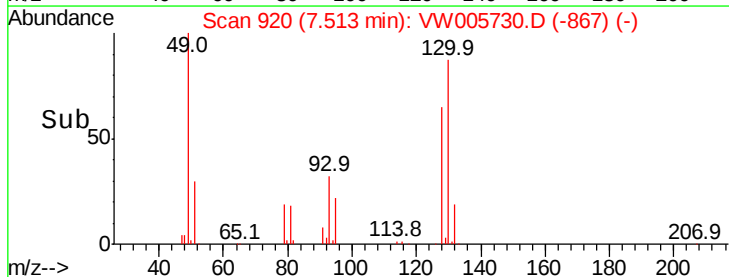
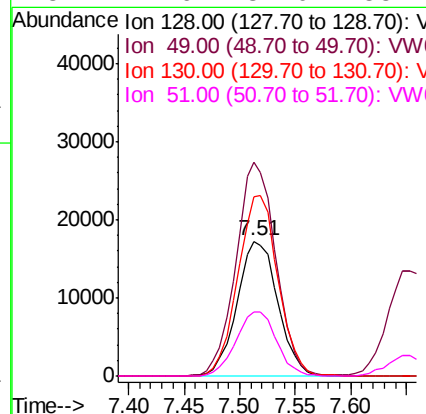
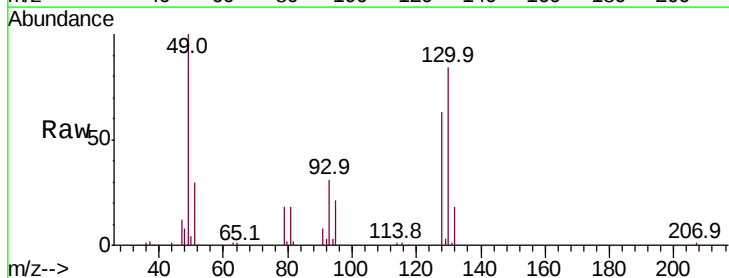
Tot Ion: 96 Resp: 95190
Ion Ratio Lower Upper
96 100
61 132.2 95.7 177.7
98 63.9 44.1 81.9

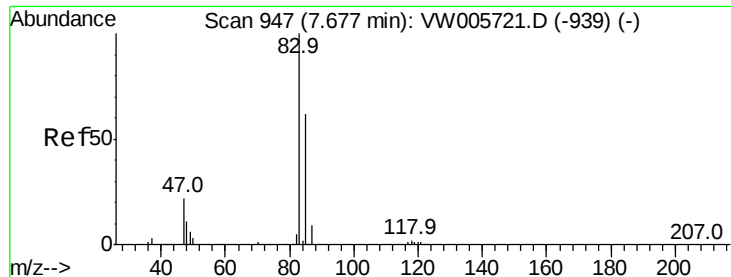


#23

Bromochloromethane
Concen: 23.466 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Tgt Ion: 128 Resp: 43840
Ion Ratio Lower Upper
128 100
49 158.9 108.1 200.7
130 133.6 89.3 165.9
51 47.6 37.0 55.4





#25

Chloroform

Concen: 23.925 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

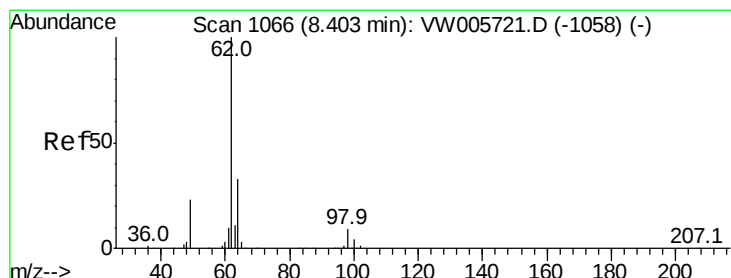
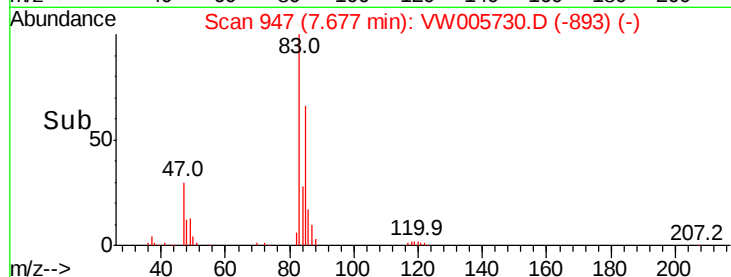
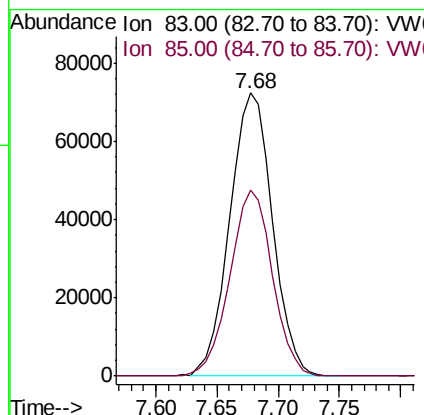
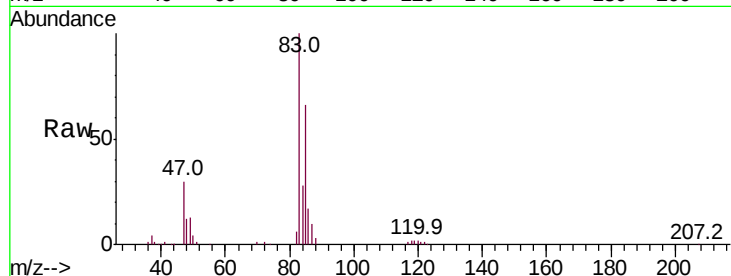
ClientSampleId :

Tot Ion: 83 Resp: 175409

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 23.938 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005730.D

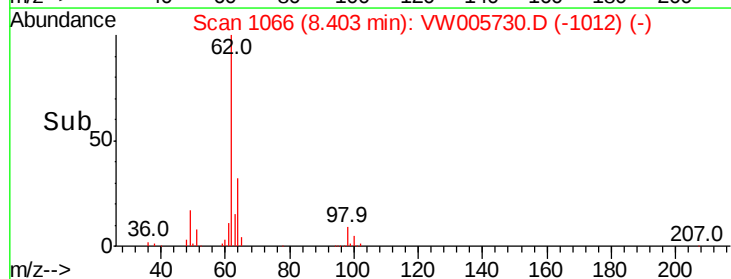
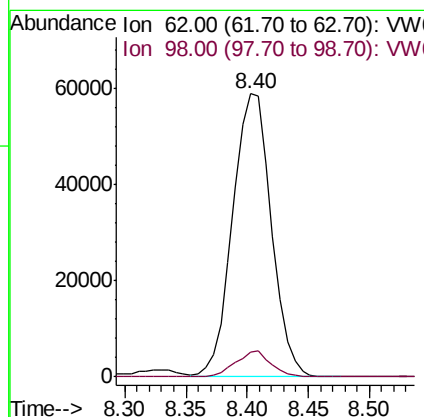
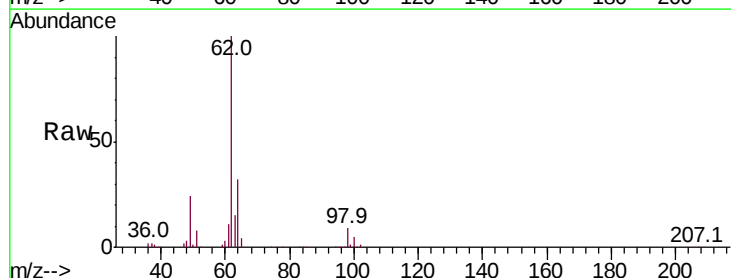
Acq: 01 Oct 2018 11:19

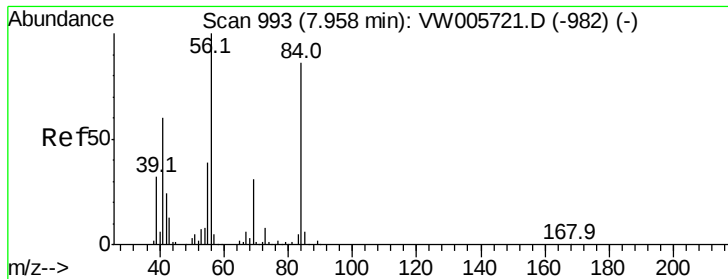
Tgt Ion: 62 Resp: 129217

Ion Ratio Lower Upper

62 100

98 8.7 6.2 9.2

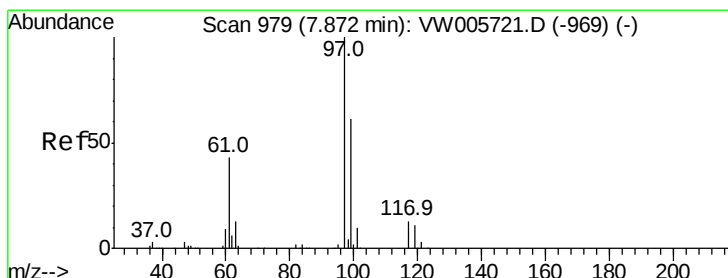
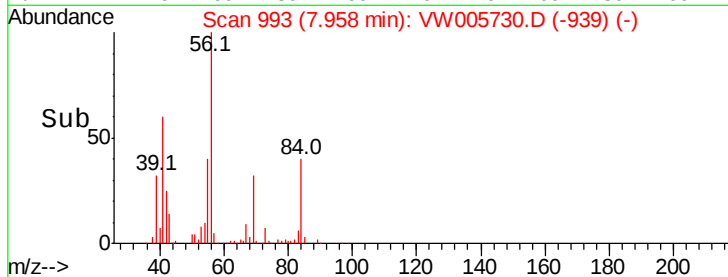
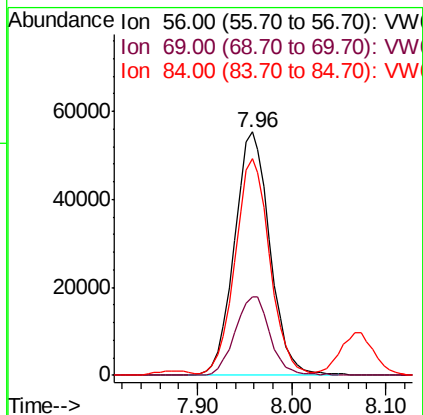
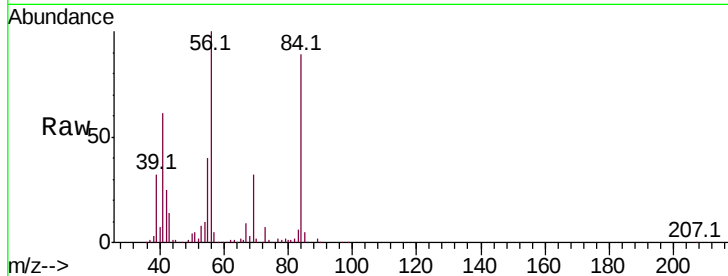




#30
Cyclohexane
Concen: 24.896 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

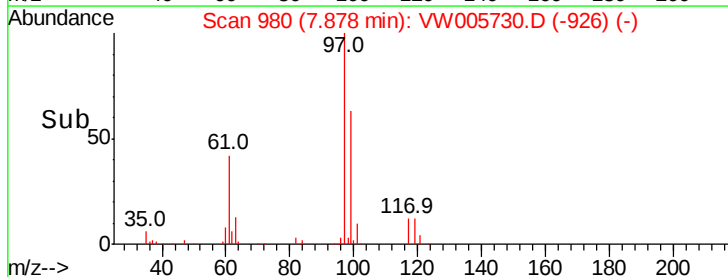
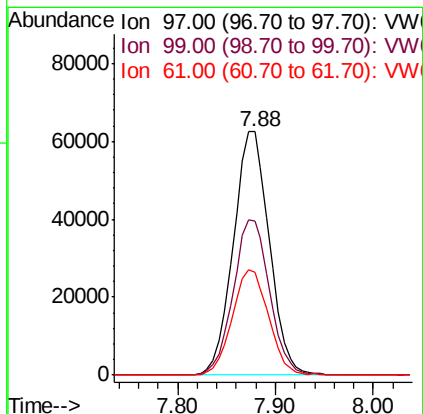
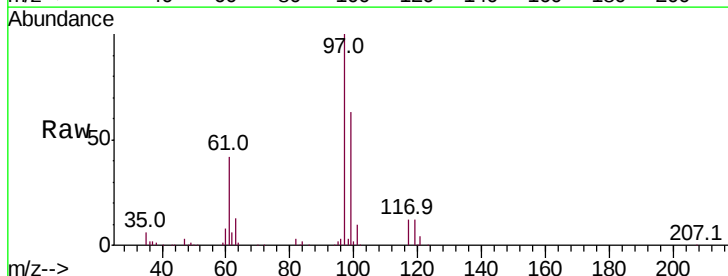
Instrument :
MSVOA_W
ClientSampled :

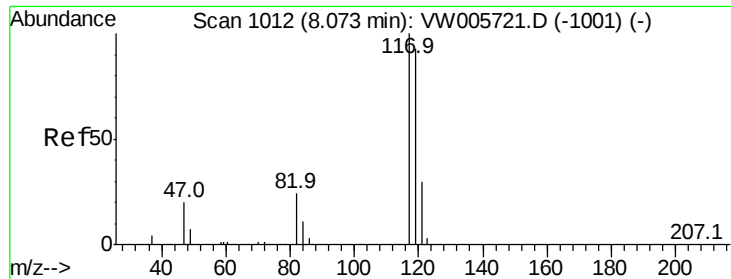
Tot Ion: 56 Resp: 145482
Ion Ratio Lower Upper
56 100
69 31.8 25.0 37.6
84 87.2 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 25.265 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Tgt Ion: 97 Resp: 159518
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 43.7 35.4 53.2





#32

Carbon tetrachloride

Concen: 24.880 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

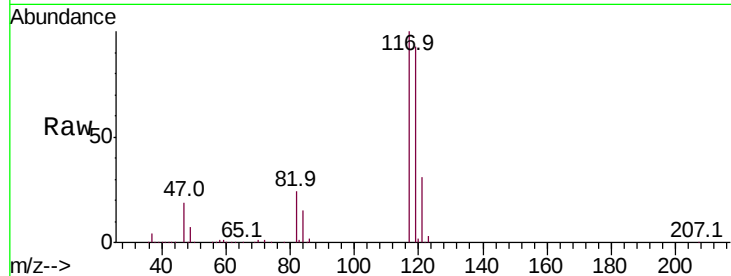
ClientSampleId :

Tot Ion:117 Resp: 152969

Ion Ratio Lower Upper

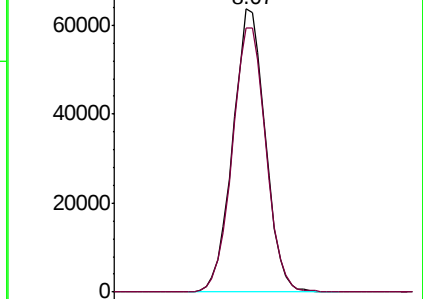
117 100

119 96.7 76.9 115.3

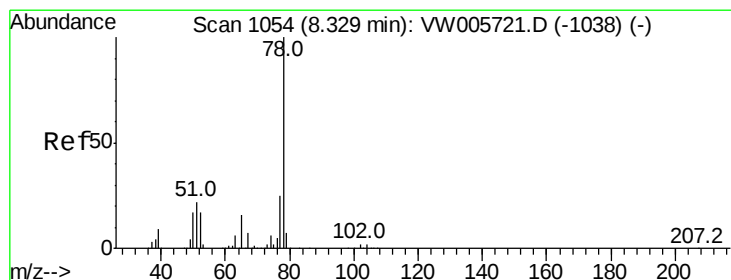
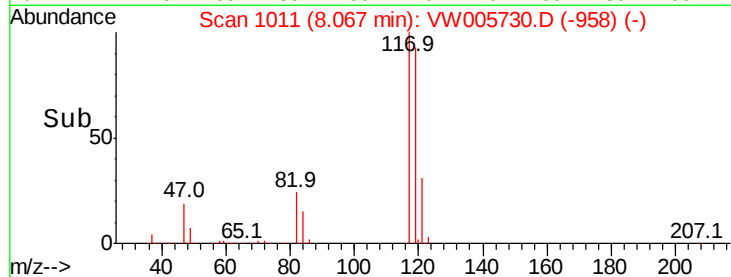


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 25.053 ug/L

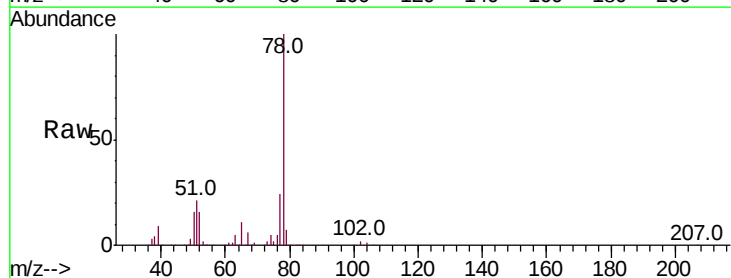
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005730.D

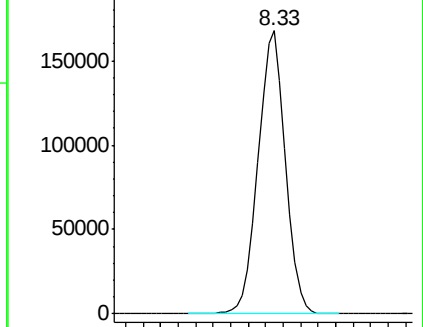
Acq: 01 Oct 2018 11:19

Tgt Ion: 78 Resp: 364970

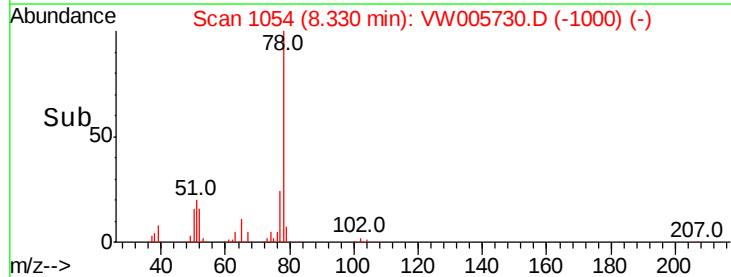


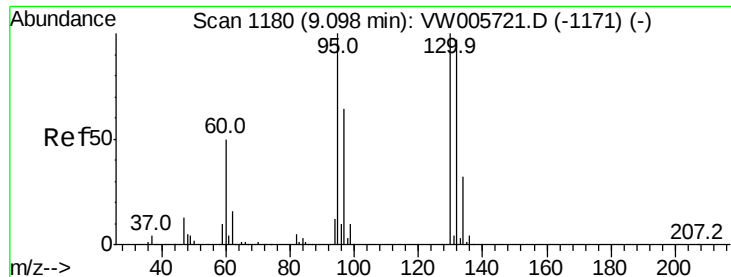
Abundance Ion 78.00 (77.70 to 78.70): VW

200000



Time-->

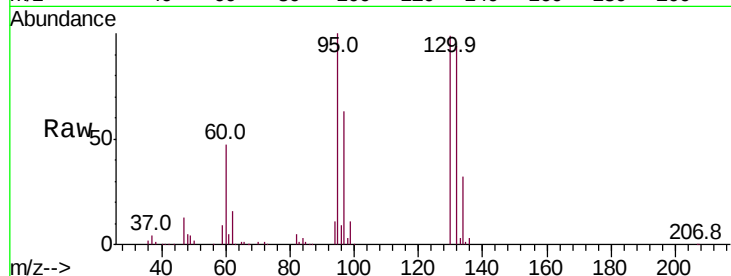




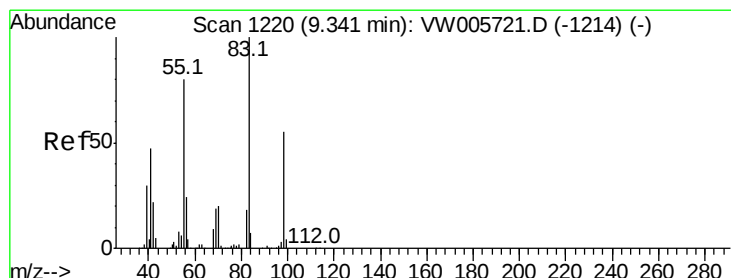
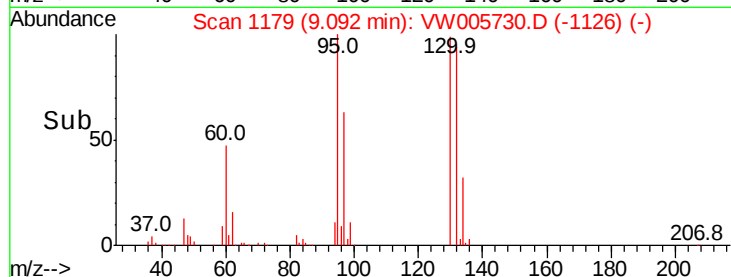
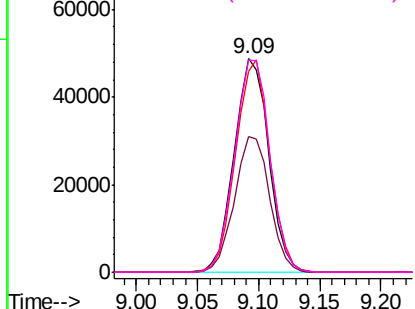
#35
 Trichloroethene
 Concen: 24.471 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW005730.D
 Acq: 01 Oct 2018 11:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	95371
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.2	84.0
132	98.2	68.0	126.4
130	102.1	71.3	132.5

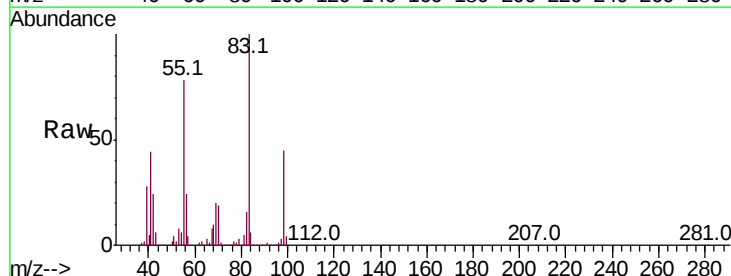


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

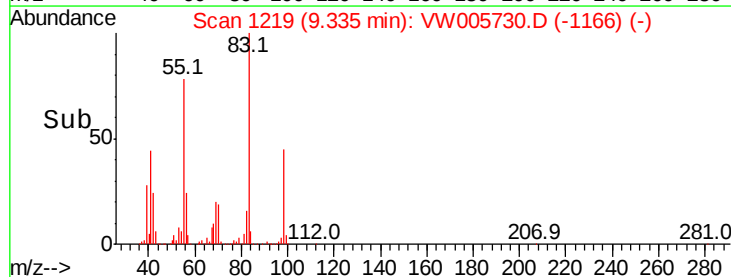
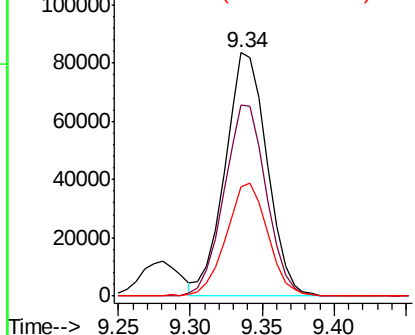


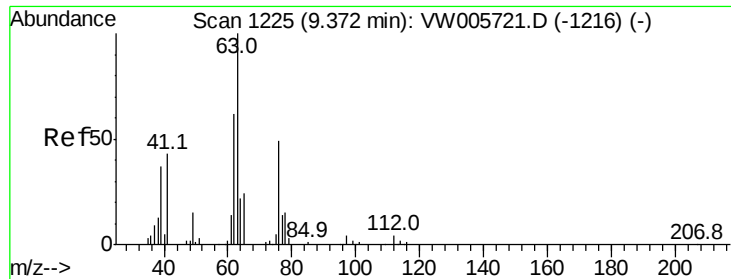
#36
 Methylcyclohexane
 Concen: 25.107 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW005730.D
 Acq: 01 Oct 2018 11:19

Tgt Ion:	83	Resp:	170151
Ion	Ratio	Lower	Upper
83	100		
55	78.7	62.5	93.7
98	46.0	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: 24.880 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

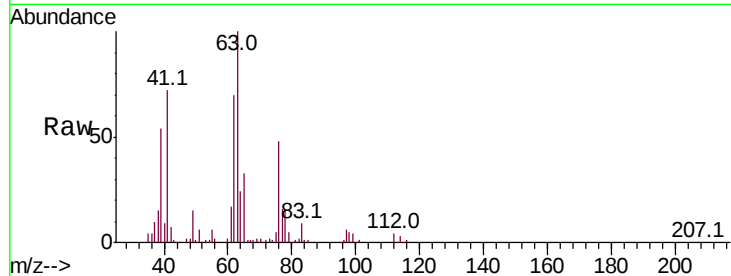
ClientSampleId :

Tot Ion: 63 Resp: 88329

Ion Ratio Lower Upper

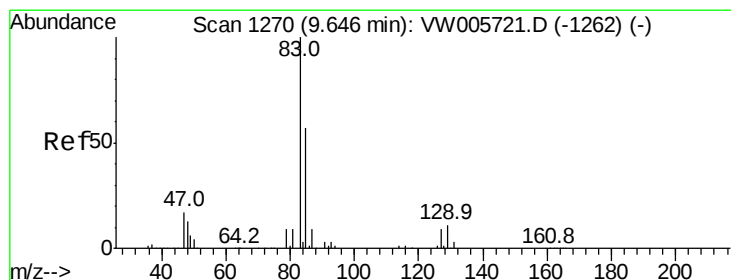
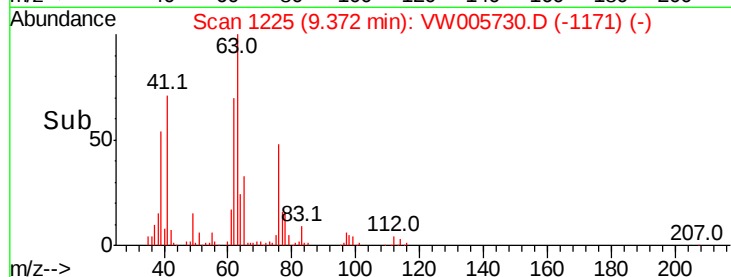
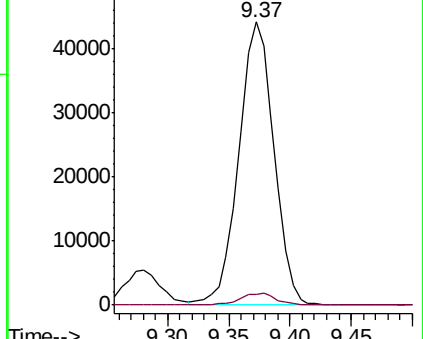
63 100

112 4.4 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.072 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

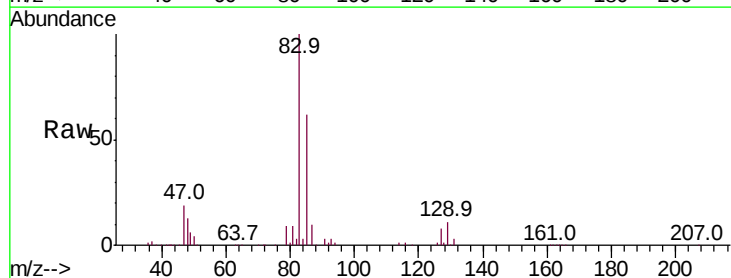
Tgt Ion: 83 Resp: 125148

Ion Ratio Lower Upper

83 100

85 62.0 44.1 81.9

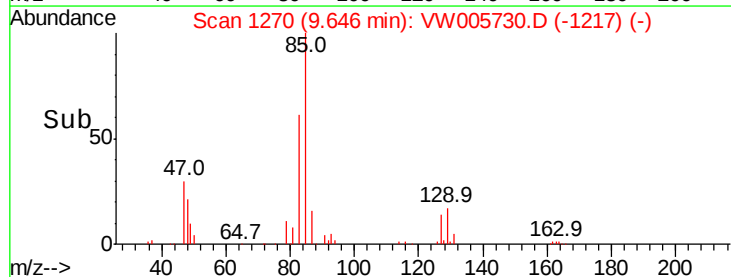
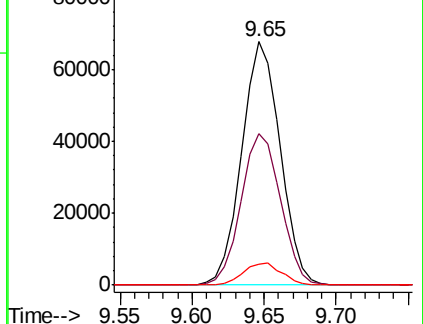
127 8.4 7.5 11.3

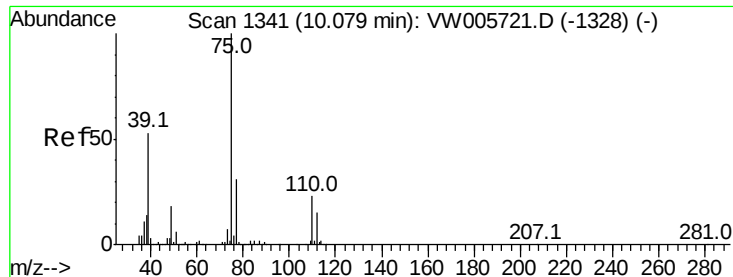


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.665 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

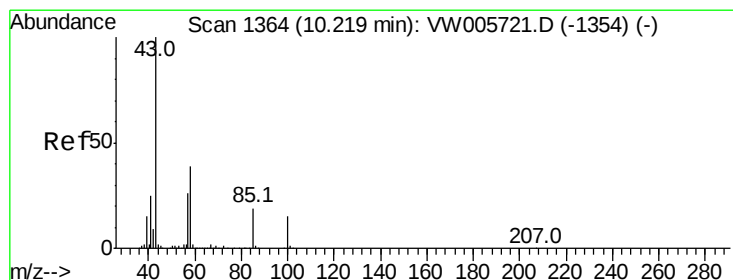
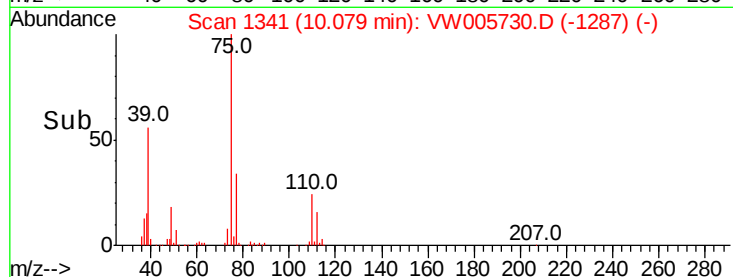
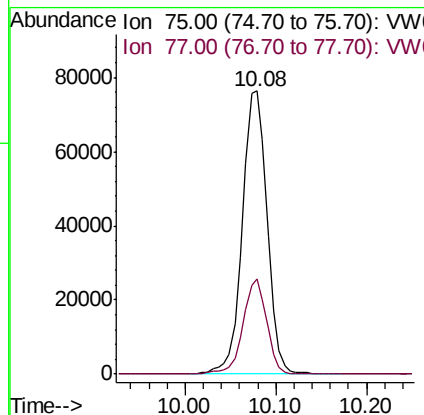
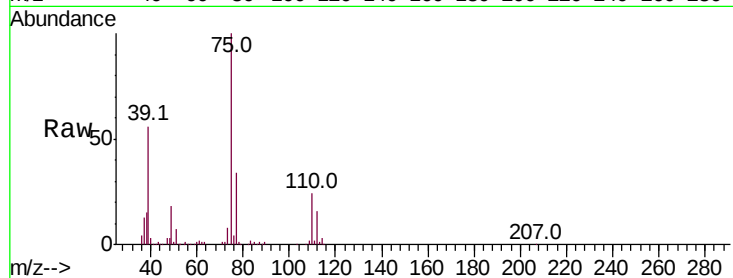
ClientSampleId :

Tot Ion: 75 Resp: 144610

Ion Ratio Lower Upper

75 100

77 33.5 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 47.366 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

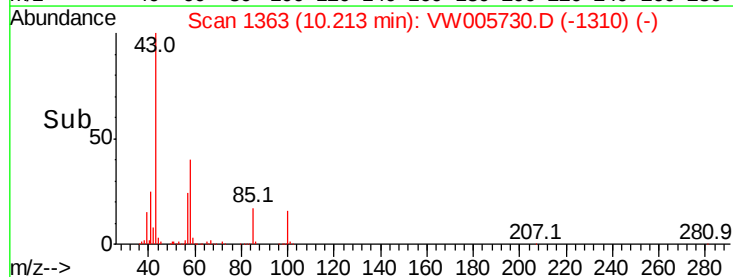
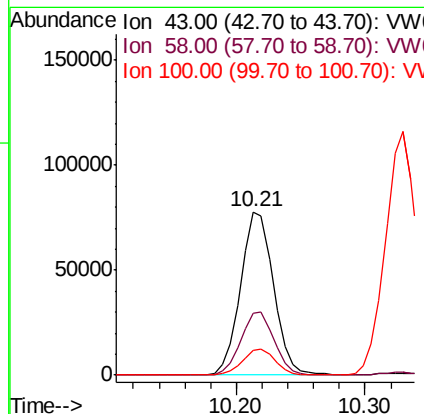
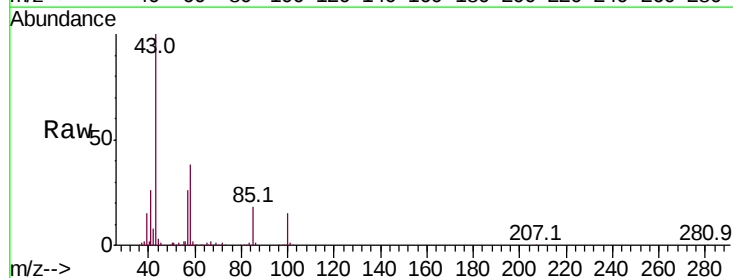
Tgt Ion: 43 Resp: 137230

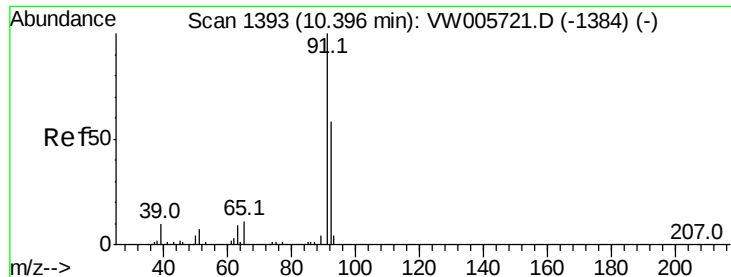
Ion Ratio Lower Upper

43 100

58 39.0 29.8 44.8

100 16.0 12.2 18.4





#44

Toluene

Concen: 24.445 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

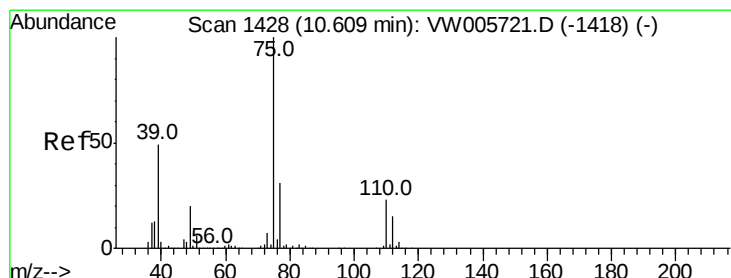
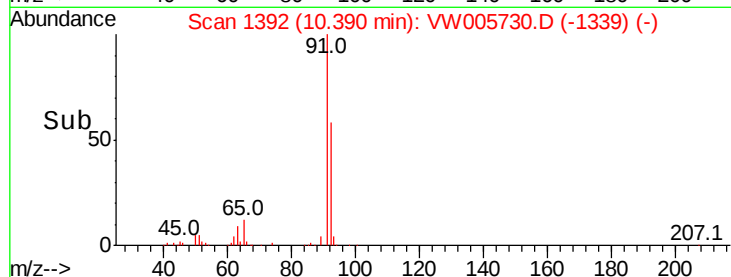
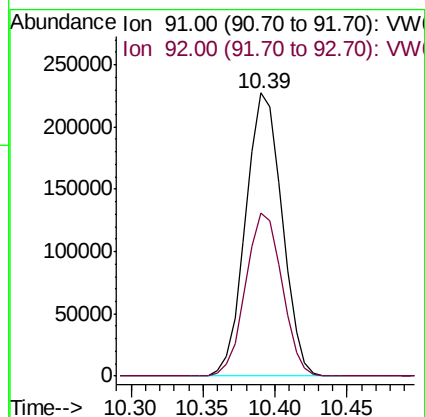
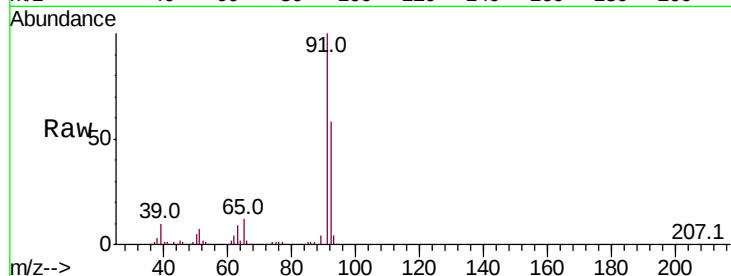
ClientSampled :

Tot Ion: 91 Resp: 397946

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.829 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005730.D

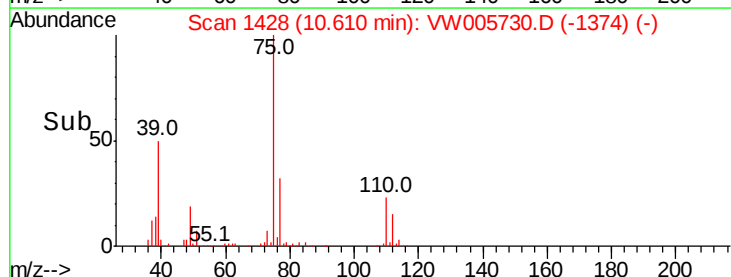
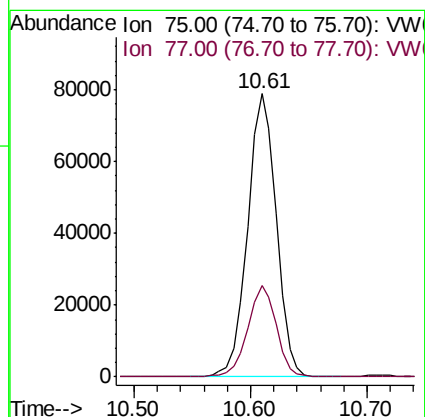
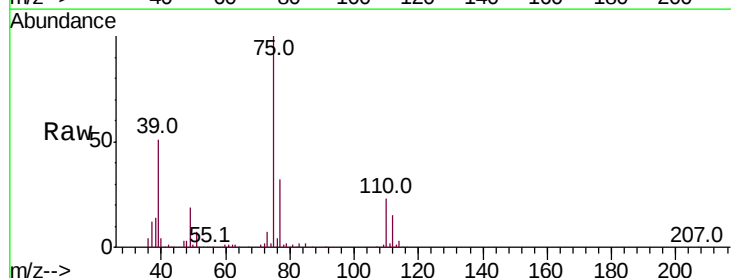
Acq: 01 Oct 2018 11:19

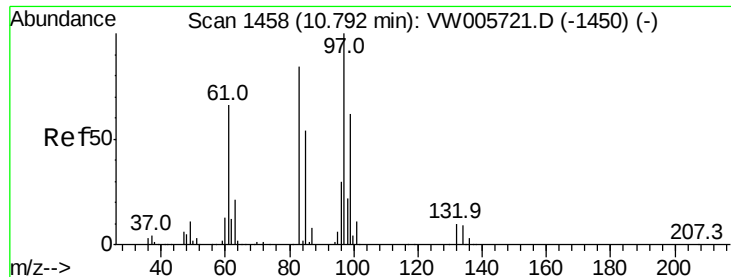
Tgt Ion: 75 Resp: 135547

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1

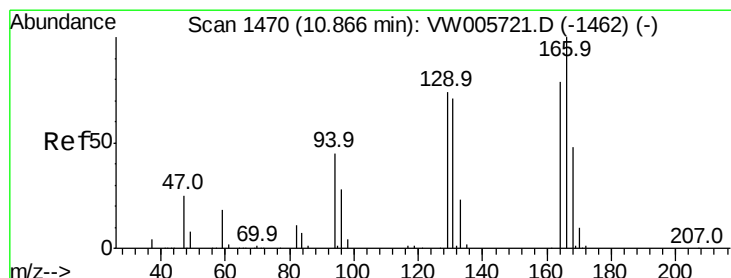
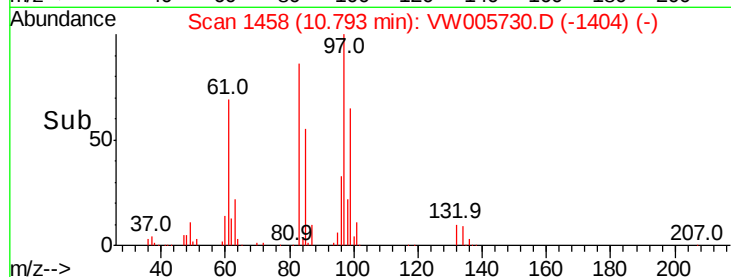
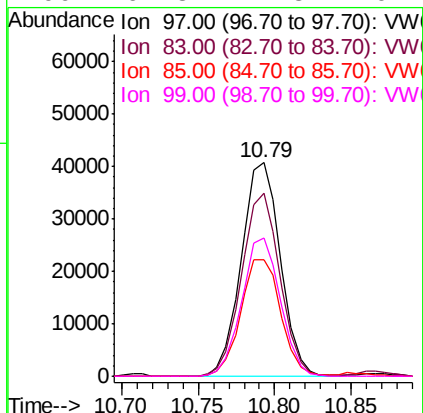
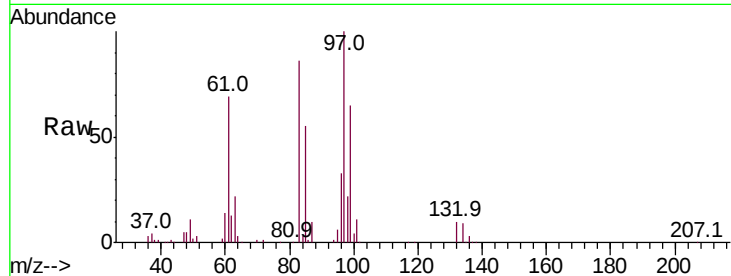




#46
1,1,2-Trichloroethane
Concen: 24.365 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

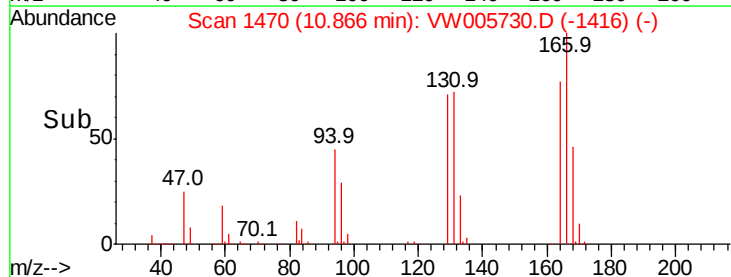
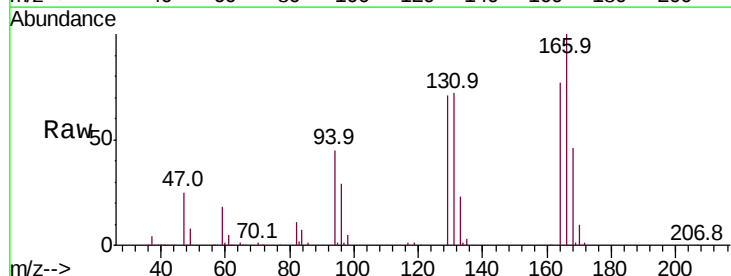
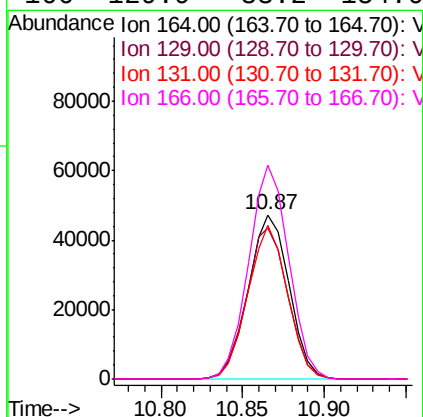
Instrument :
MSVOA_W
ClientSampleId :

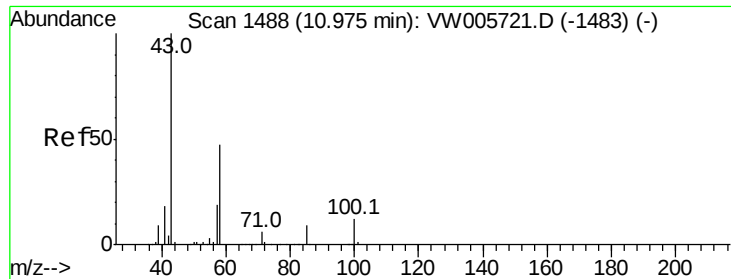
Tot Ion: 97 Resp: 72180
Ion Ratio Lower Upper
97 100
83 85.6 58.3 108.3
85 54.6 38.0 70.6
99 64.8 42.8 79.4



#47
Tetrachloroethene
Concen: 23.950 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Tgt Ion: 164 Resp: 82234
Ion Ratio Lower Upper
164 100
129 92.2 63.8 118.4
131 93.1 61.5 114.3
166 129.9 83.2 154.6

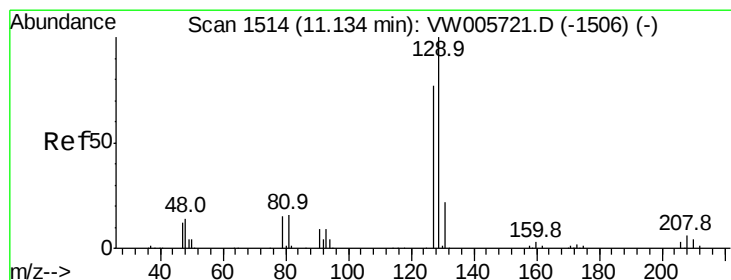
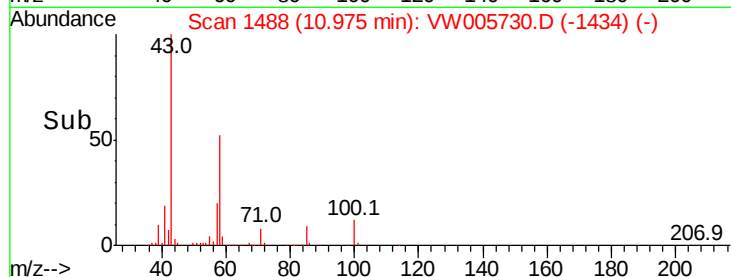
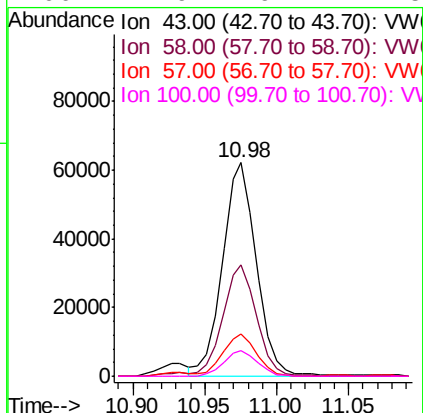
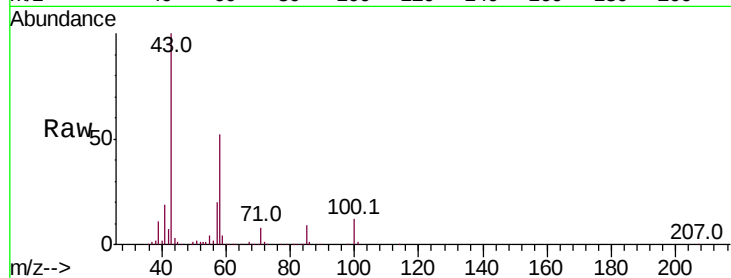




#49
2-Hexanone
Concen: 50.411 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

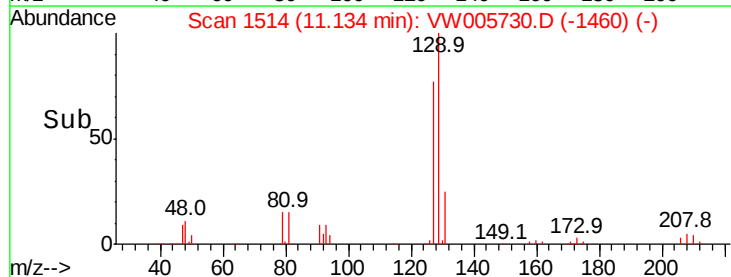
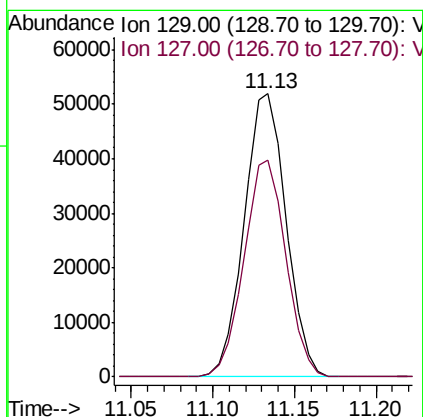
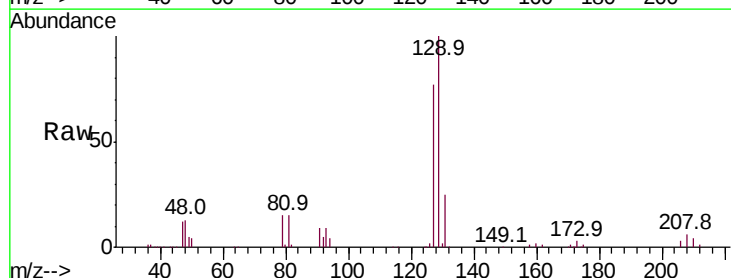
Instrument :
MSVOA_W
ClientSampleId :

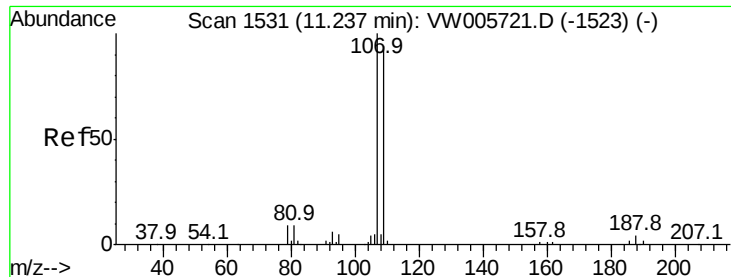
Tot Ion: 43 Resp: 102520
Ion Ratio Lower Upper
43 100
58 51.6 42.0 63.0
57 19.9 15.7 23.5
100 11.9 9.7 14.5



#50
Dibromochloromethane
Concen: 24.966 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Tgt Ion: 129 Resp: 92760
Ion Ratio Lower Upper
129 100
127 76.7 51.7 95.9

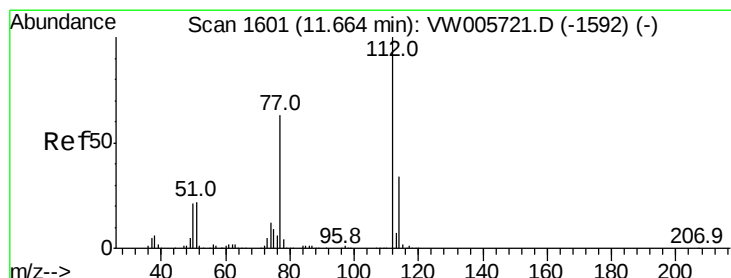
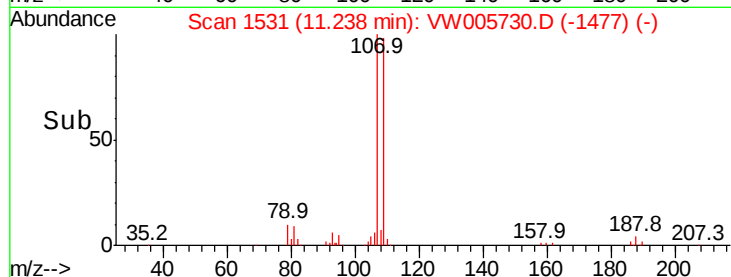
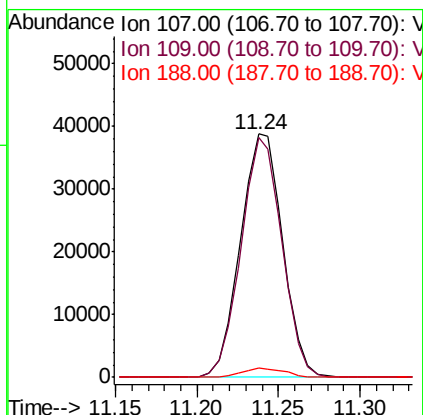
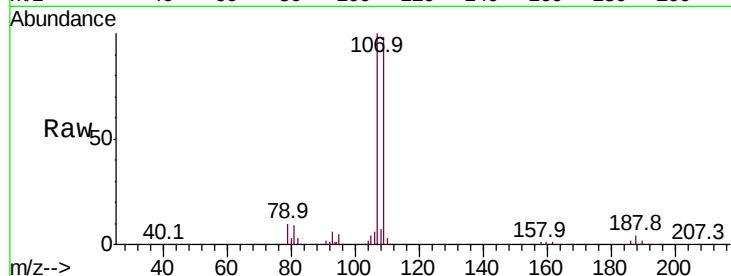




#51
1,2-Dibromoethane
Concen: 24.365 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

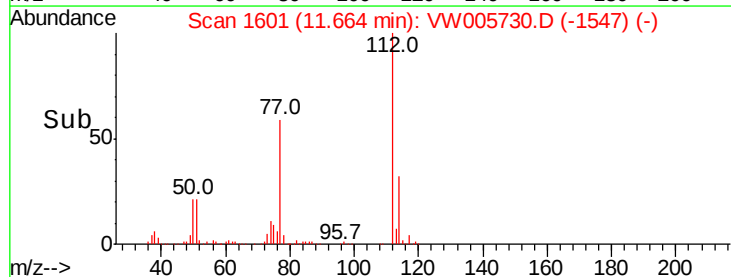
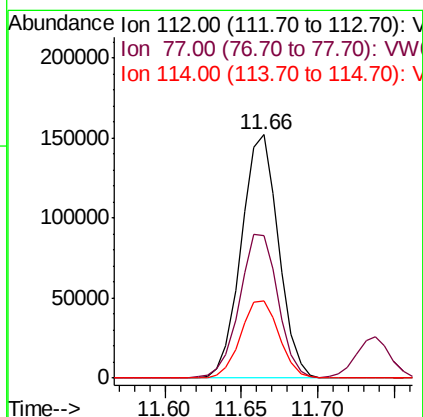
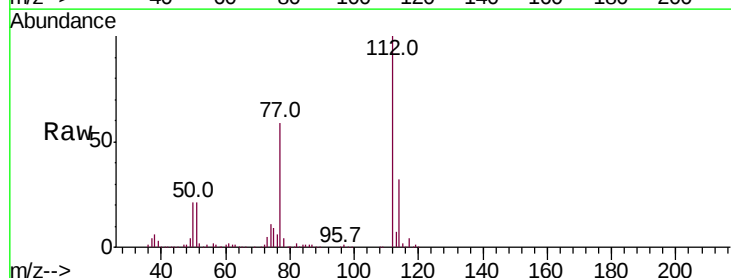
Instrument :
MSVOA_W
ClientSampled :

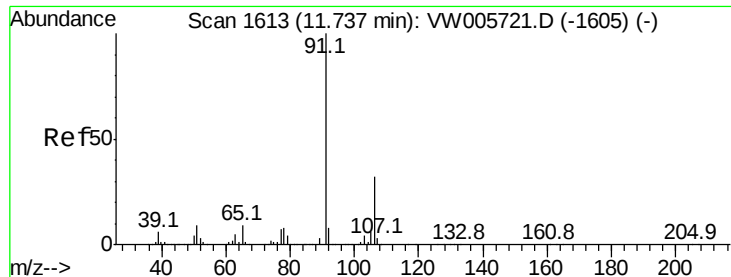
Tot Ion:107 Resp: 69785
Ion Ratio Lower Upper
107 100
109 98.4 70.1 130.3
188 3.9 3.4 5.2



#52
Chlorobenzene
Concen: 24.039 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Tgt Ion:112 Resp: 257451
Ion Ratio Lower Upper
112 100
77 58.7 46.7 70.1
114 31.6 21.8 40.6





#53

Ethylbenzene

Concen: 24.781 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

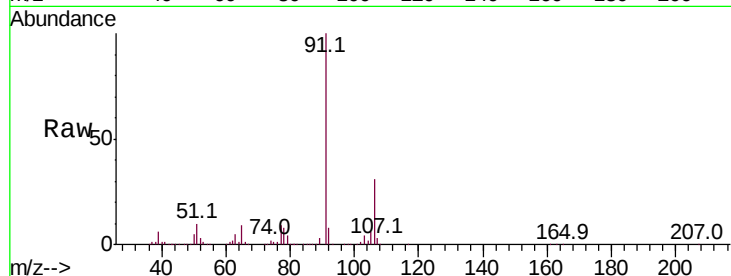
ClientSampleId :

Tot Ion: 91 Resp: 461912

Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.74

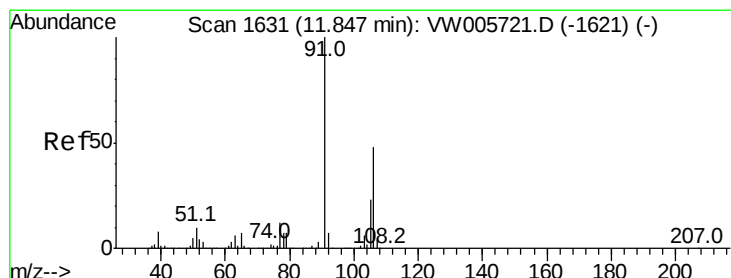
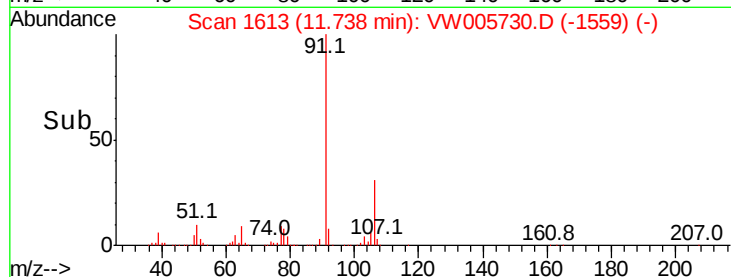
300000

200000

100000

0

Time-->



#54

m,p-Xylene

Concen: 24.724 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005730.D

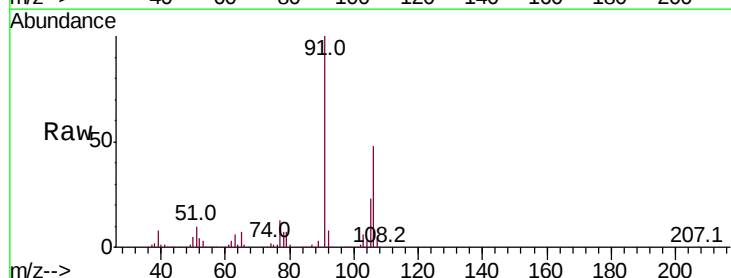
Acq: 01 Oct 2018 11:19

Tgt Ion: 106 Resp: 173621

Ion Ratio Lower Upper

106 100

91 208.4 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.85

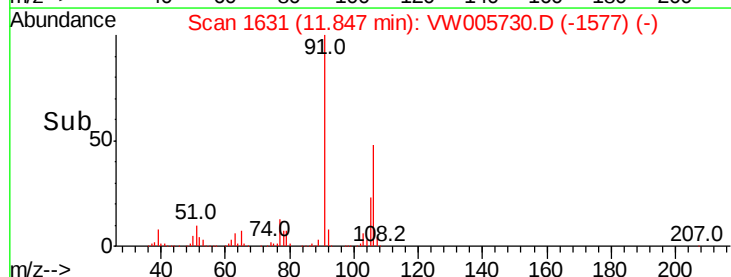
300000

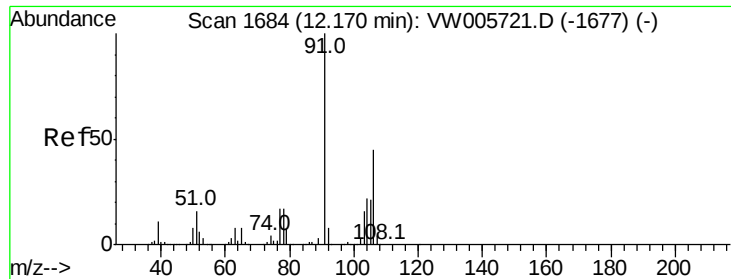
200000

100000

0

Time-->

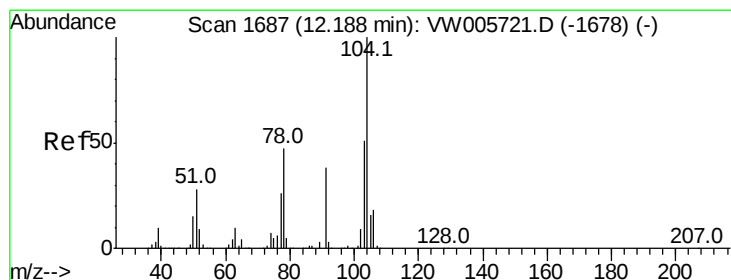
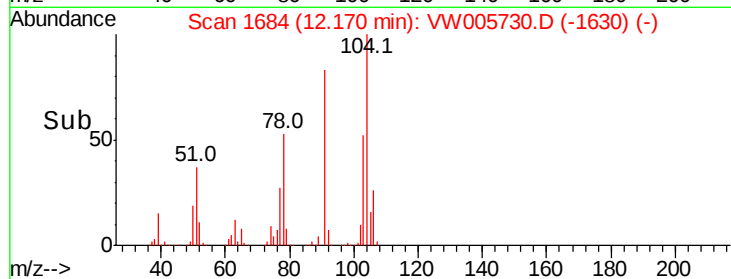
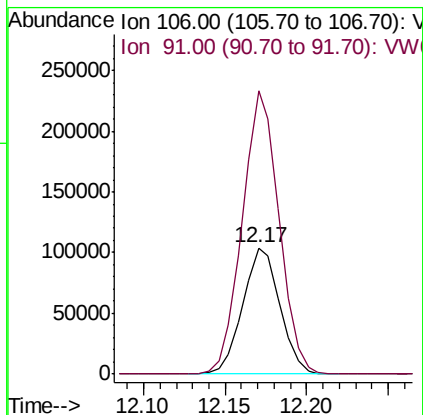
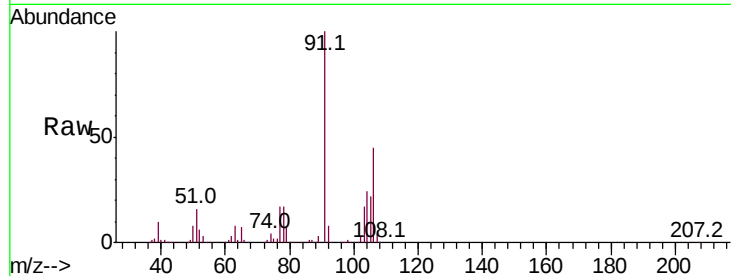




#55
o-xylene
Concen: 24.911 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

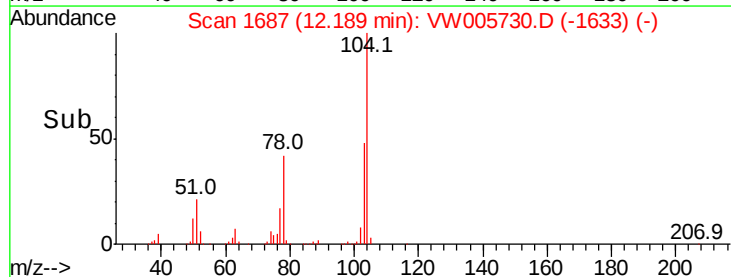
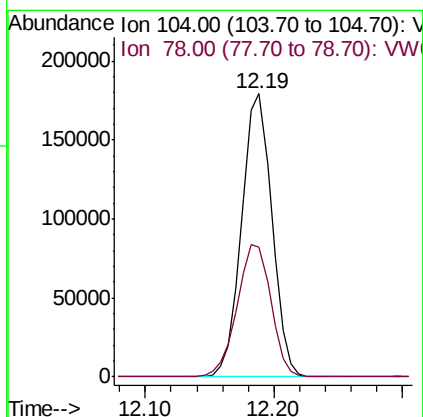
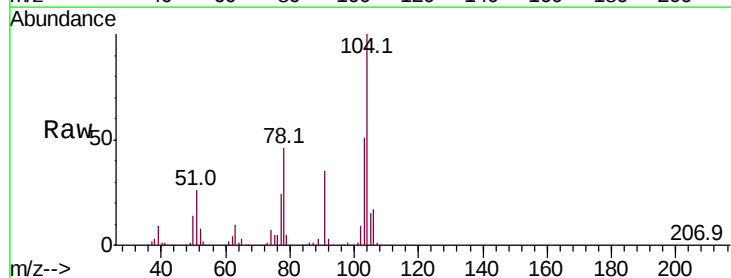
Instrument :
MSVOA_W
ClientSampled :

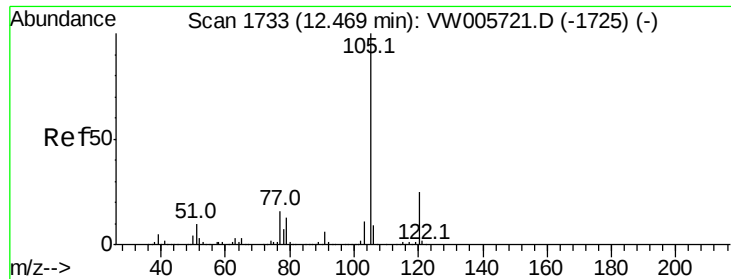
Tot Ion:106 Resp: 164884
Ion Ratio Lower Upper
106 100
91 224.3 156.5 290.7



#56
Styrene
Concen: 25.103 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005730.D
Acq: 01 Oct 2018 11:19

Tgt Ion:104 Resp: 291589
Ion Ratio Lower Upper
104 100
78 45.6 32.2 59.8





#57

Isopropylbenzene

Concen: 25.043 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

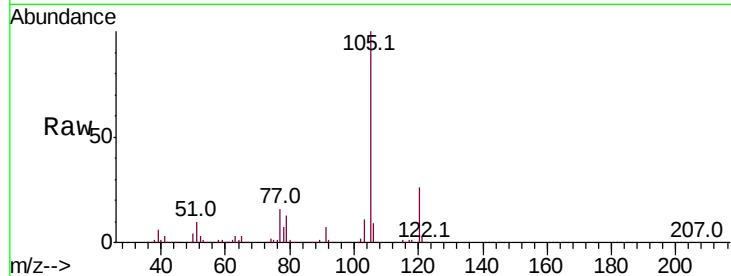
Tot Ion:105 Resp: 473458

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

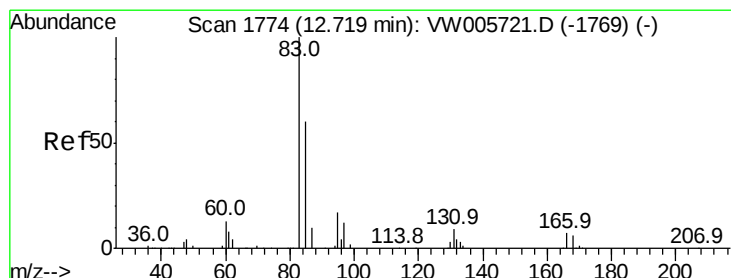
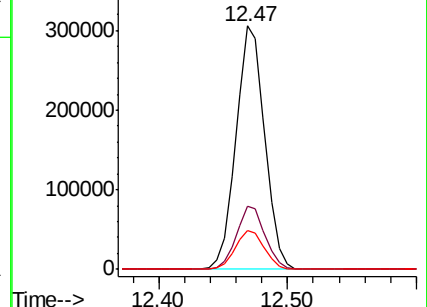
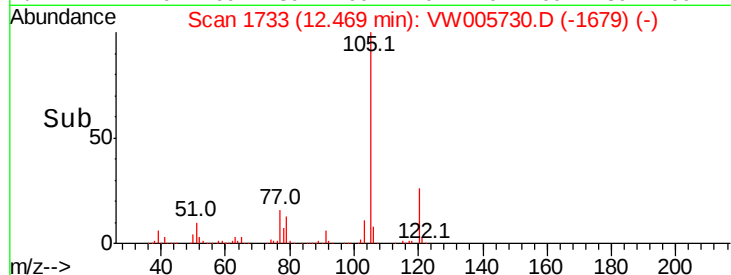
77 16.2 13.0 19.6



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: 25.302 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

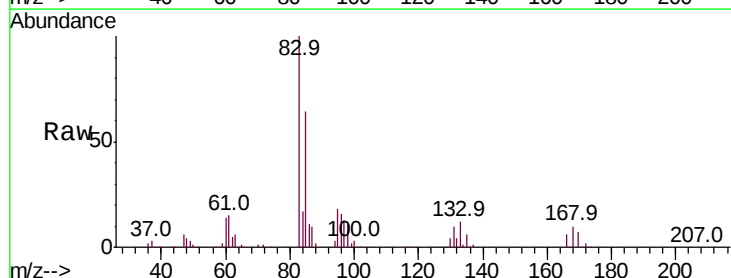
Tgt Ion: 83 Resp: 95619

Ion Ratio Lower Upper

83 100

85 64.3 43.0 80.0

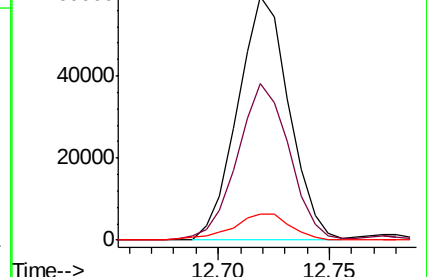
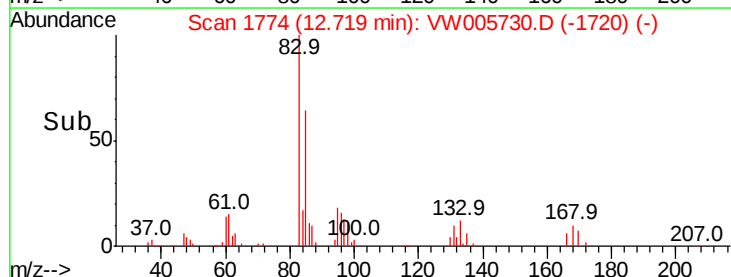
131 10.5 8.0 12.0

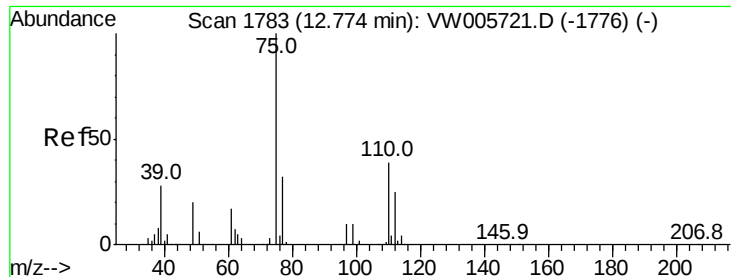


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.737 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

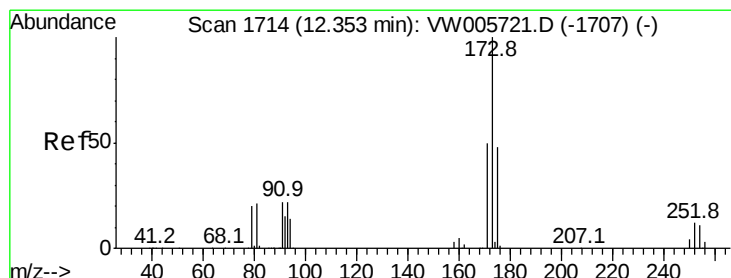
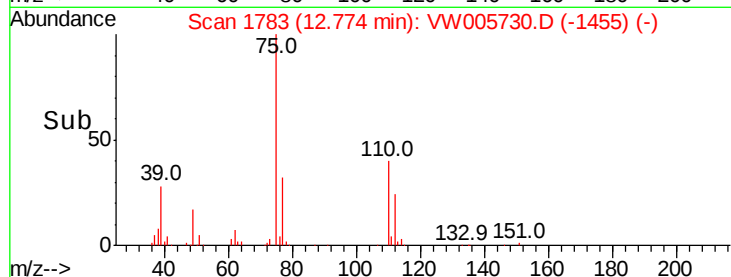
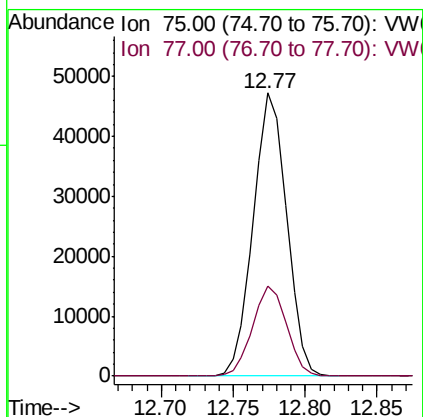
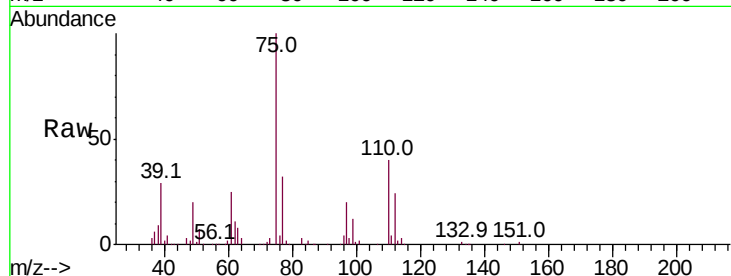
ClientSampled :

Tot Ion: 75 Resp: 75888

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8



#62

Bromoform

Concen: 24.255 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

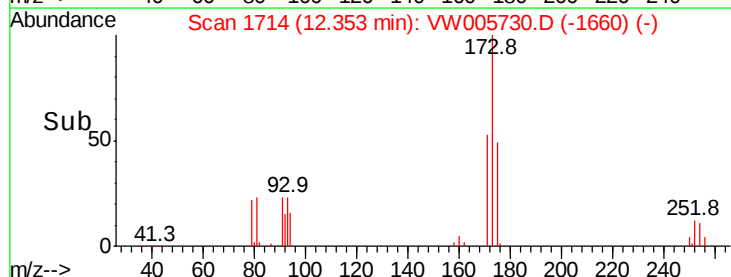
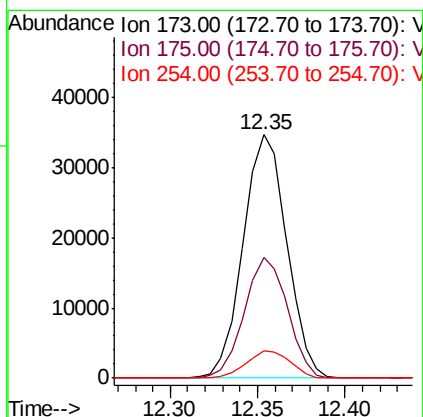
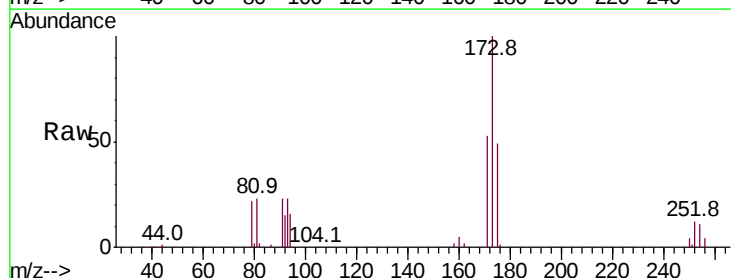
Tgt Ion: 173 Resp: 60356

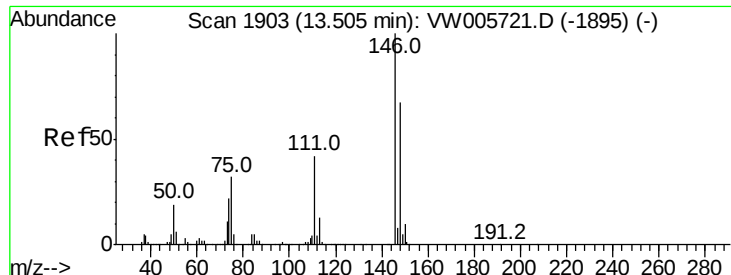
Ion Ratio Lower Upper

173 100

175 48.8 40.0 60.0

254 11.2 8.6 13.0





#63

1,3-Dichlorobenzene

Concen: 24.174 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

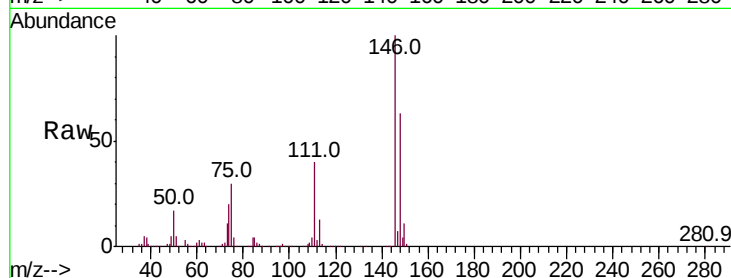
Tot Ion:146 Resp: 214876

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.6

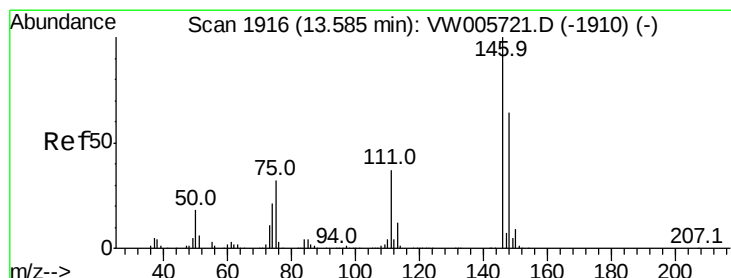
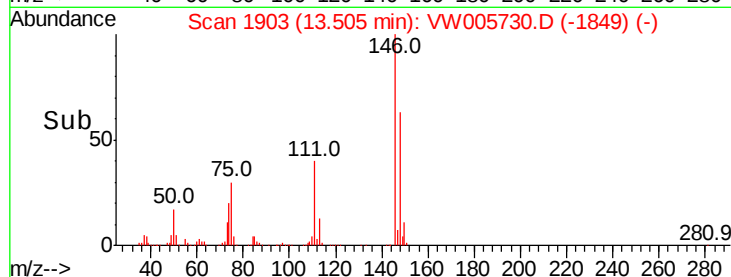
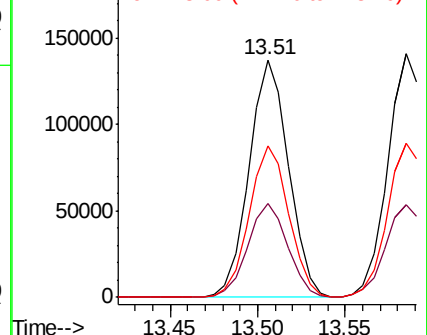
148 63.5 46.2 85.8



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



#64

1,4-Dichlorobenzene

Concen: 23.780 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

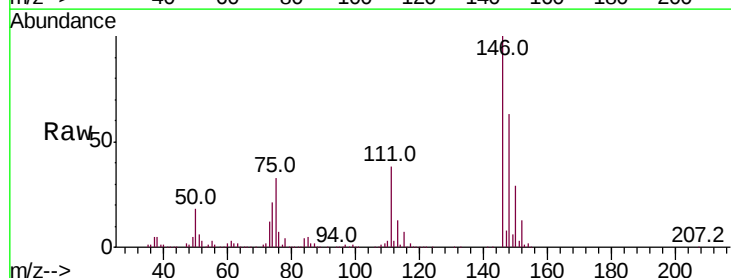
Tgt Ion:146 Resp: 220735

Ion Ratio Lower Upper

146 100

111 38.1 28.4 52.8

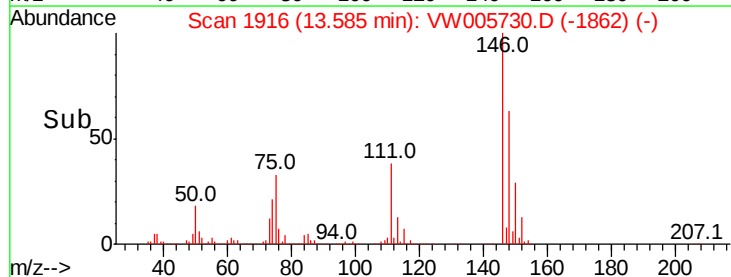
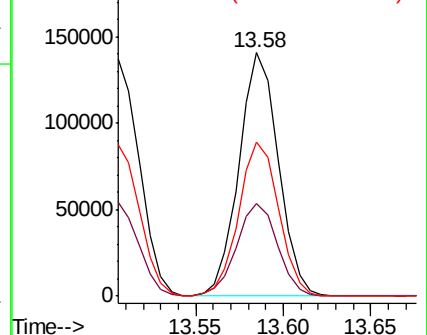
148 63.5 46.3 86.1

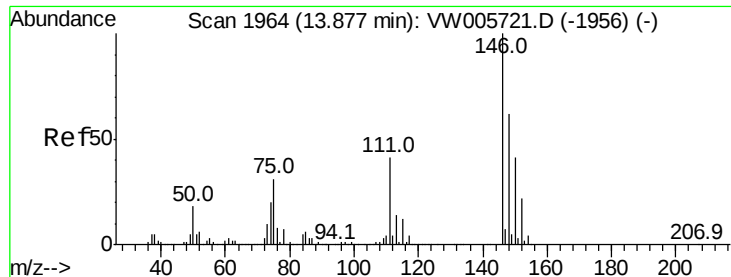


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.681 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

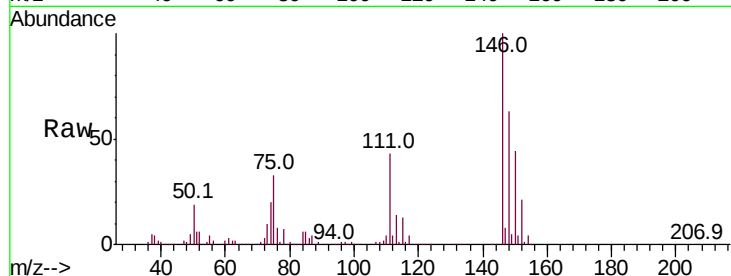
Tot Ion:146 Resp: 202542

Ion Ratio Lower Upper

146 100

111 43.2 34.6 51.8

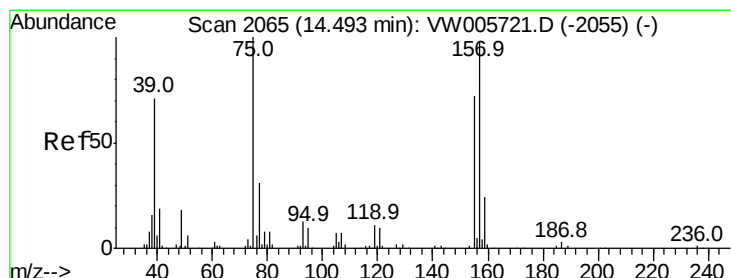
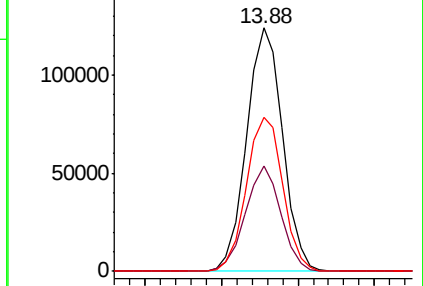
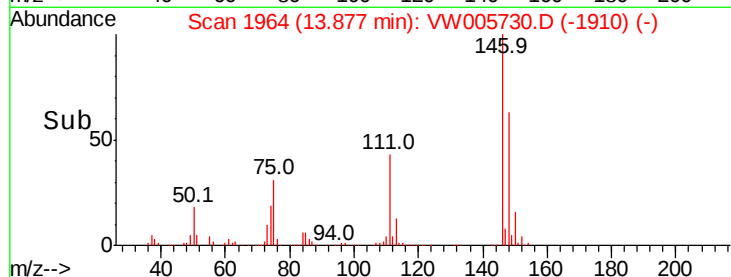
148 63.4 51.5 77.3



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: 23.477 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

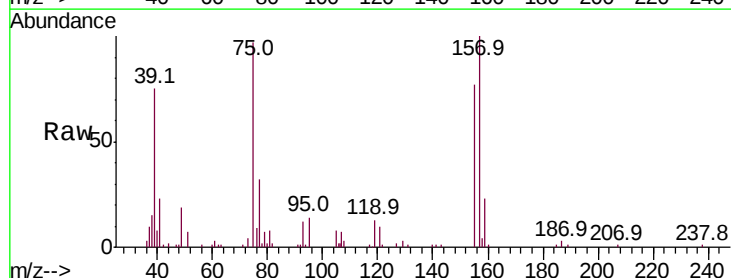
Tgt Ion: 75 Resp: 19092

Ion Ratio Lower Upper

75 100

157 103.3 76.9 115.3

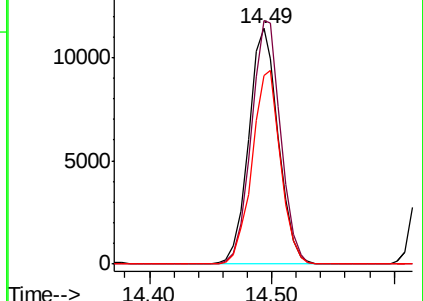
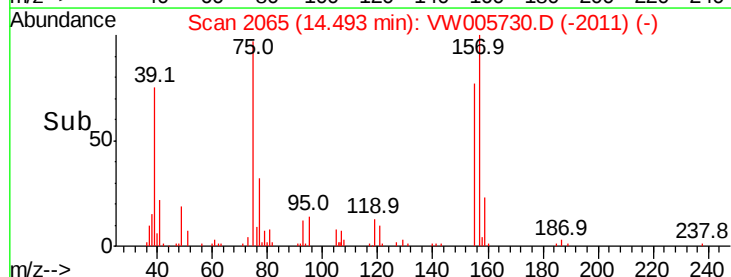
155 79.9 64.2 96.2

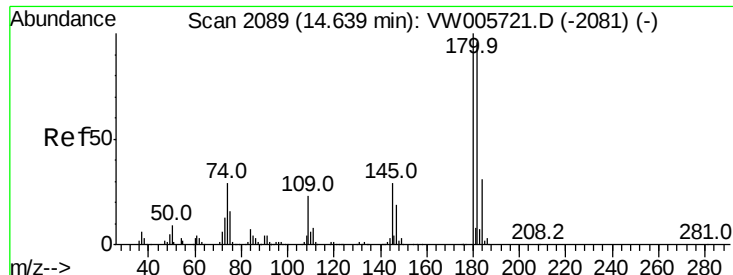


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

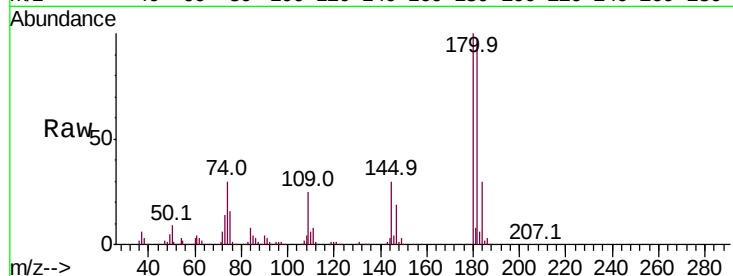




#67
 1,3,5-Trichlorobenzene
 Concen: 23.362 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005730.D
 Acq: 01 Oct 2018 11:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.7	116.5
184	30.9	24.6	37.0
145	29.8	23.8	35.6



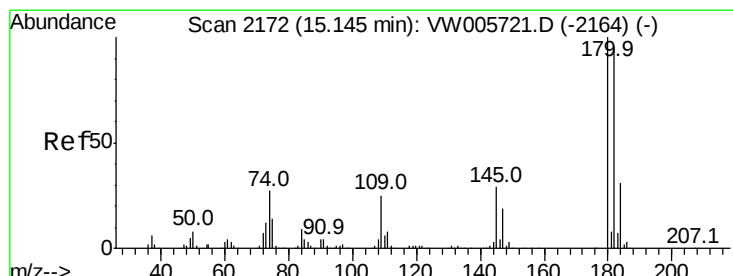
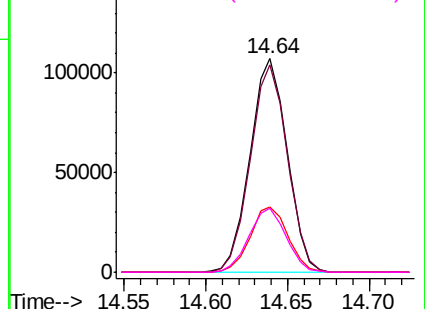
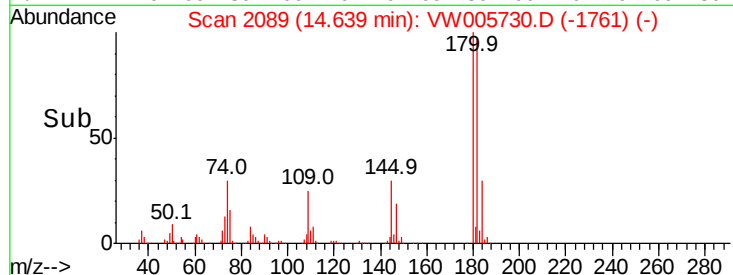
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

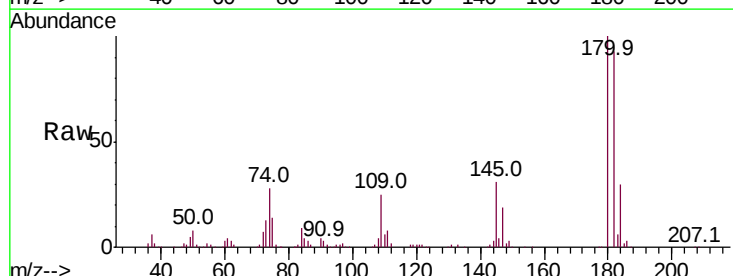
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.691 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005730.D
 Acq: 01 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	30.8	23.8	35.6

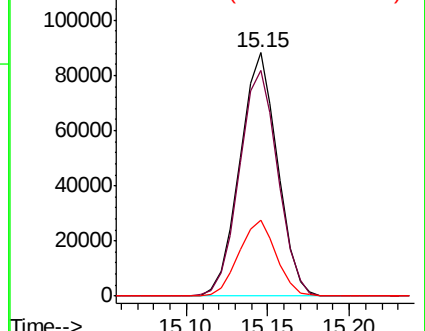
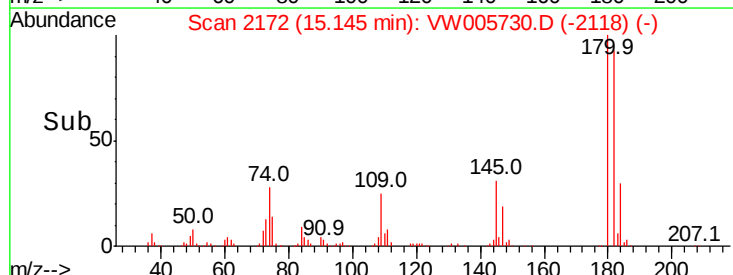


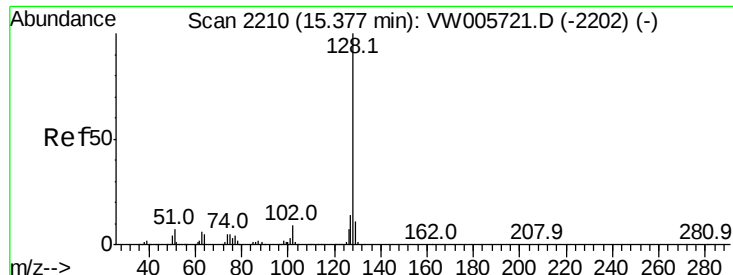
Abundance

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: 24.691 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

Instrument :

MSVOA_W

ClientSampled :

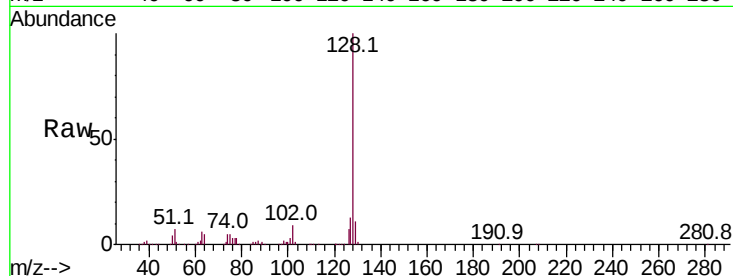
Tot Ion:128 Resp: 296480

Ion Ratio Lower Upper

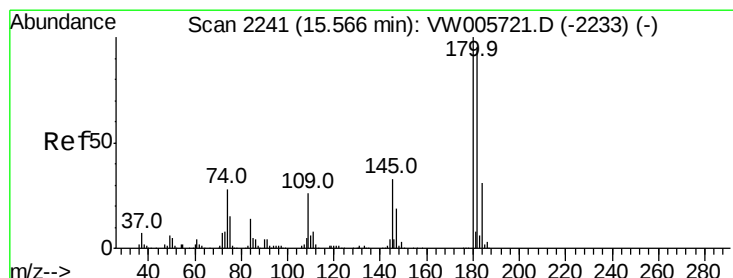
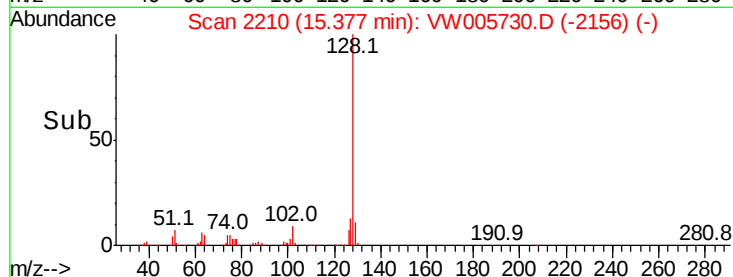
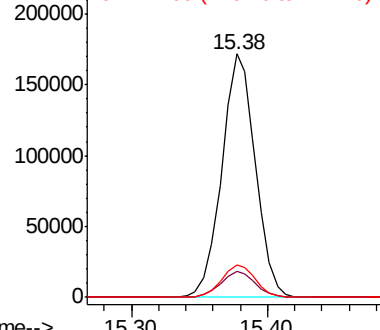
128 100

129 10.8 8.8 13.2

127 13.4 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: 23.633 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005730.D

Acq: 01 Oct 2018 11:19

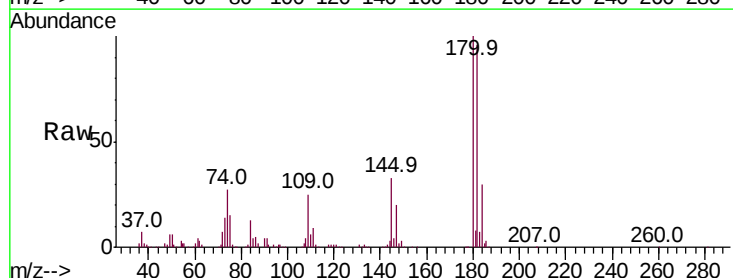
Tgt Ion:180 Resp: 132732

Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 32.4 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

