

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092818\
 Data File : VW005723.D
 Acq On : 28 Sep 2018 16:11
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 29 01:19:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 28 16:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	238709	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	240971	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	126580	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74141	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
7) Chloroethane-d5	2.90	69	59895	25.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.92%
10) 1,1-Dichloroethene-d2	4.01	63	157428	23.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.76%
20) 2-Butanone-d5	7.09	46	65371	66.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.84%
24) Chloroform-d	7.65	84	148535	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	8.31	65	92873	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.28	84	280528	23.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.08%
33) 1,2-Dichloropropane-d6	9.28	67	75564	21.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.68%
37) Toluene-d8	10.33	98	286586	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.32%
38) trans-1,3-Dichloropropene-	10.58	79	43840	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	10.93	63	52418	64.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.84%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	91550	27.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	107821	24.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	73428	26.233	ug/L	92
3) Chloromethane	2.21	50	66773	25.609	ug/L	95
5) Vinyl chloride	2.37	62	93155	24.778	ug/L	97
6) Bromomethane	2.79	94	54326	24.016	ug/L	97
8) Chloroethane	2.93	64	52242	24.992	ug/L	100
9) Trichlorofluoromethane	3.26	101	73666	25.644	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	77004	23.729	ug/L	98
12) 1,1-Dichloroethene	4.03	96	73653	23.764	ug/L	88
13) Acetone	4.14	43	60251	59.224	ug/L	71
14) Carbon disulfide	4.37	76	218079	22.441	ug/L	96
15) Methyl Acetate	4.68	43	52211	28.919	ug/L	98
16) Methylene chloride	4.92	84	80004	20.327	ug/L	90
17) Methyl tert-butyl Ether	5.43	73	120098	24.353	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	74170	23.268	ug/L	89
19) 1,1-Dichloroethane	6.22	63	144953	24.576	ug/L	99
21) 2-Butanone	7.18	43	75462	61.937	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	85634	24.715	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092818\
 Data File : VW005723.D
 Acq On : 28 Sep 2018 16:11
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 29 01:19:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 28 16:00:53 2018
 Response via : Initial Calibration

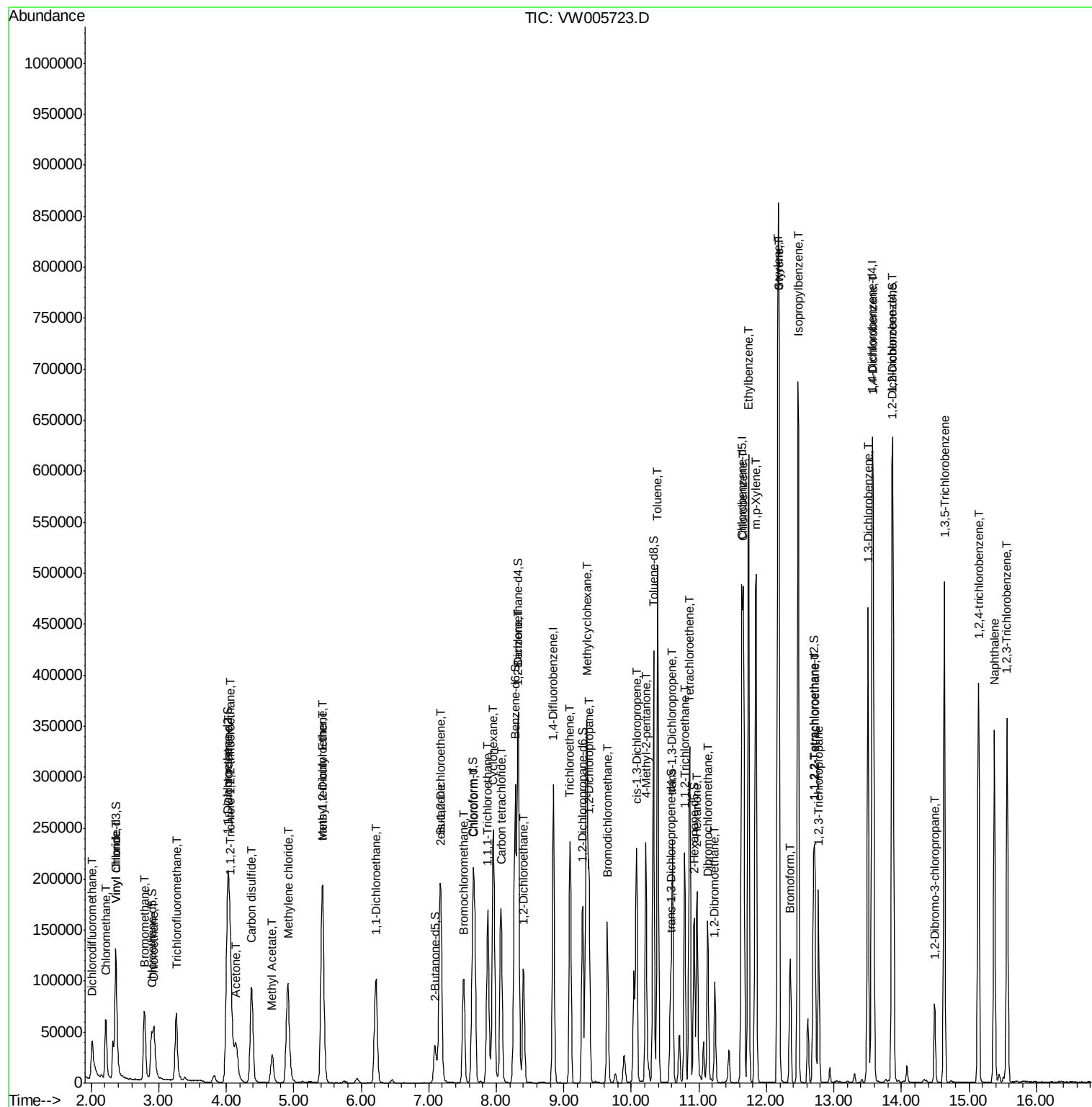
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	37693	23.440	ug/L	98
25) Chloroform	7.68	83	145707	23.089	ug/L	99
27) 1,2-Dichloroethane	8.40	62	110696	23.824	ug/L	100
30) Cyclohexane	7.96	56	131550	24.086	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	138252	23.428	ug/L	99
32) Carbon tetrachloride	8.07	117	134208	23.355	ug/L	99
34) Benzene	8.33	78	300058	22.038	ug/L	100
35) Trichloroethene	9.09	95	81820	22.462	ug/L	98
36) Methylcyclohexane	9.34	83	143364	22.634	ug/L	99
40) 1,2-Dichloropropane	9.37	63	72845	21.953	ug/L	98
41) Bromodichloromethane	9.65	83	107451	23.032	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	127204	23.214	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	151671	56.011	ug/L	99
44) Toluene	10.39	91	362099	23.798	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	124498	24.400	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	66813	24.130	ug/L	99
47) Tetrachloroethene	10.87	164	75999	23.682	ug/L	96
49) 2-Hexanone	10.98	43	115690	60.865	ug/L	99
50) Dibromochloromethane	11.13	129	84024	24.197	ug/L	98
51) 1,2-Dibromoethane	11.24	107	65135	24.332	ug/L	96
52) Chlorobenzene	11.66	112	233697	23.347	ug/L	97
53) Ethylbenzene	11.74	91	419758	24.094	ug/L	100
54) m,p-Xylene	11.85	106	157318	23.969	ug/L	99
55) o-xylene	12.17	106	149281	24.131	ug/L	98
56) Styrene	12.19	104	263352	24.257	ug/L	99
57) Isopropylbenzene	12.47	105	432030	24.450	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	92538	26.199	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	75562	26.354	ug/L	98
62) Bromoform	12.35	173	58339	25.918	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	192464	23.937	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	193396	23.033	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	180708	23.358	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	20704	28.145	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	157129	23.811	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	130573	24.087	ug/L	99
69) Naphthalene	15.38	128	294456	27.109	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	124085	24.424	ug/L	100

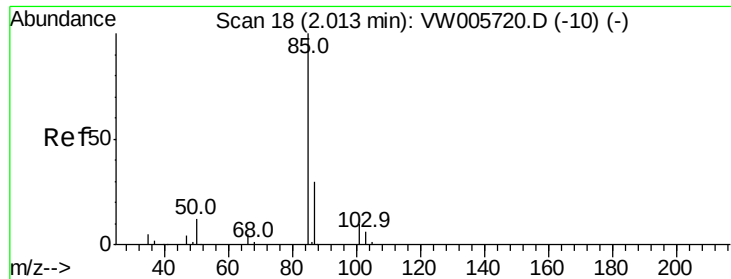
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092818\
Data File : VW005723.D
Acq On : 28 Sep 2018 16:11
Operator : SY/AP
Sample : VSTDICV025
Misc : 5.00G/105ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Sep 29 01:19:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 28 16:00:53 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.233 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

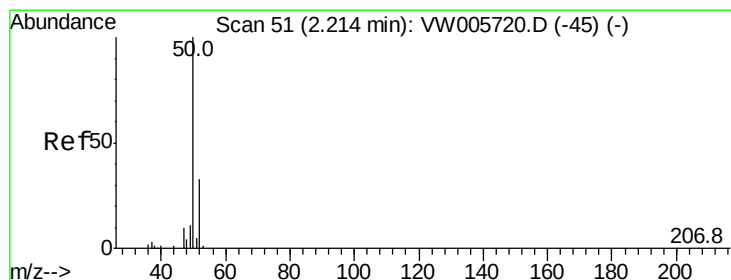
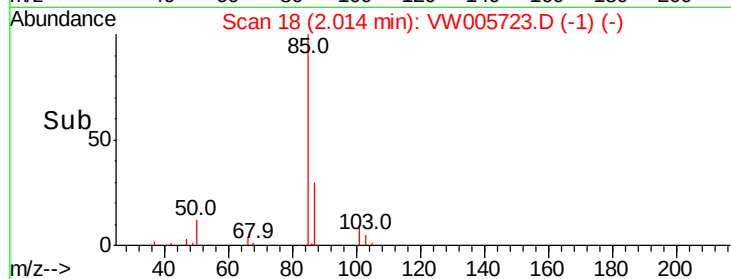
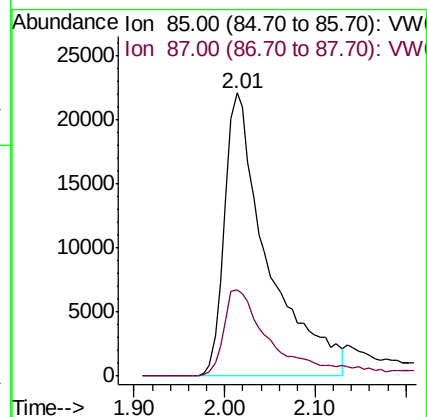
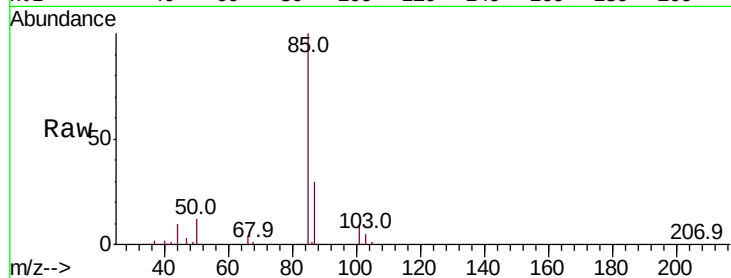
ClientSampleId :

Tot Ion: 85 Resp: 73428

Ion Ratio Lower Upper

85 100

87 31.7 19.2 35.6



#3

Chloromethane

Concen: 25.609 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005723.D

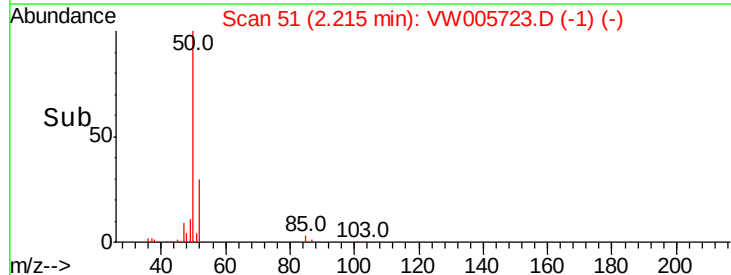
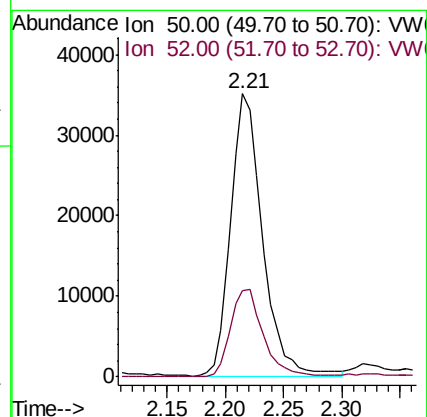
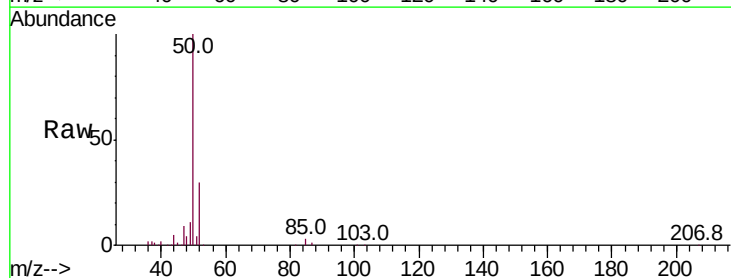
Acq: 28 Sep 2018 16:11

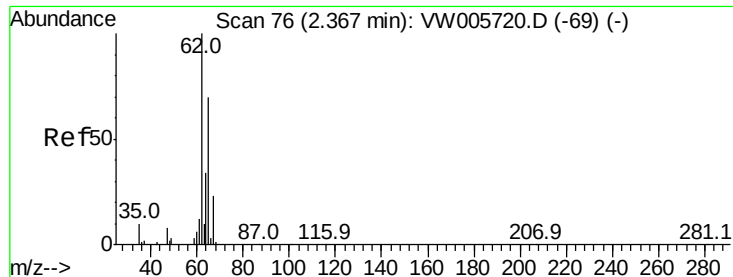
Tgt Ion: 50 Resp: 66773

Ion Ratio Lower Upper

50 100

52 30.3 23.4 43.4





#5

Vinyl chloride

Concen: 24.778 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

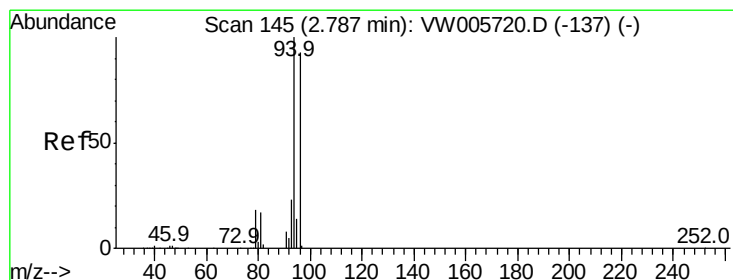
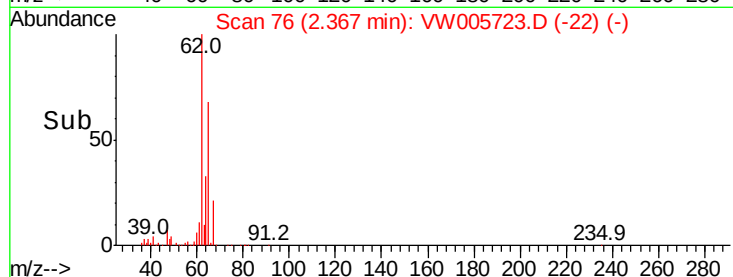
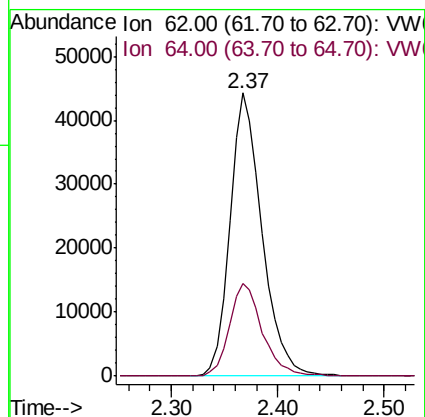
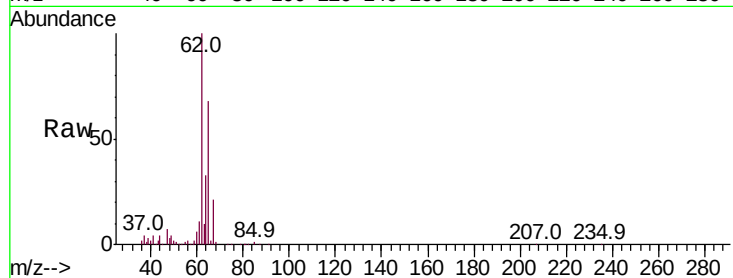
ClientSampleId :

Tot Ion: 62 Resp: 93155

Ion Ratio Lower Upper

62 100

64 32.6 24.1 44.7



#6

Bromomethane

Concen: 24.016 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW005723.D

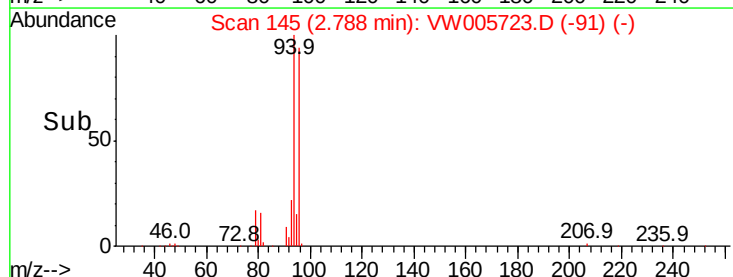
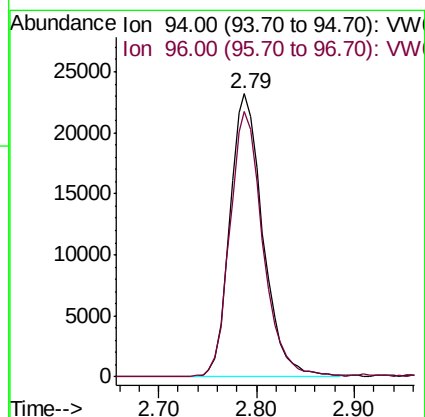
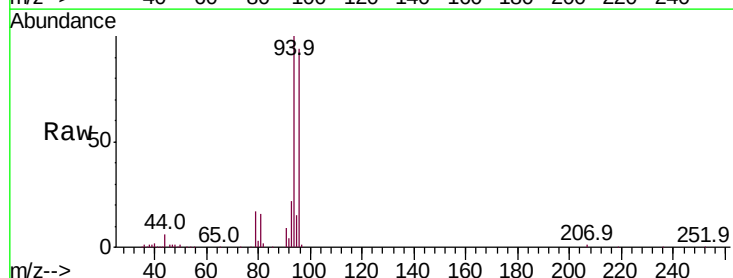
Acq: 28 Sep 2018 16:11

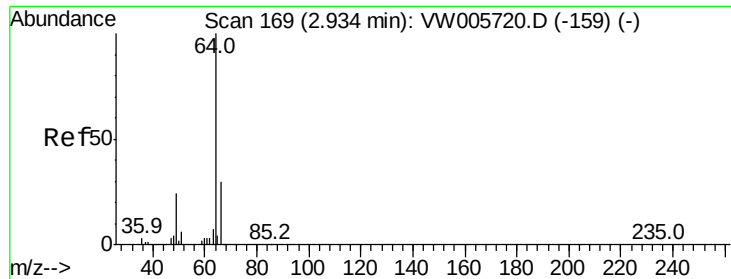
Tgt Ion: 94 Resp: 54326

Ion Ratio Lower Upper

94 100

96 92.9 9.6 181.6

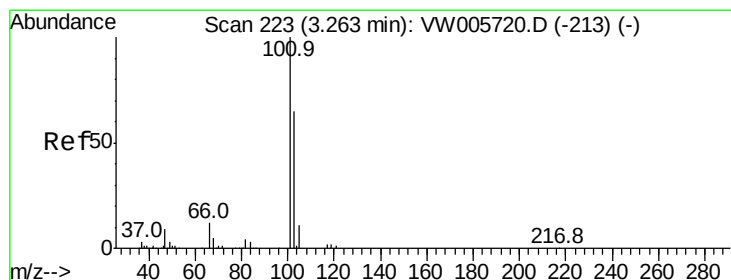
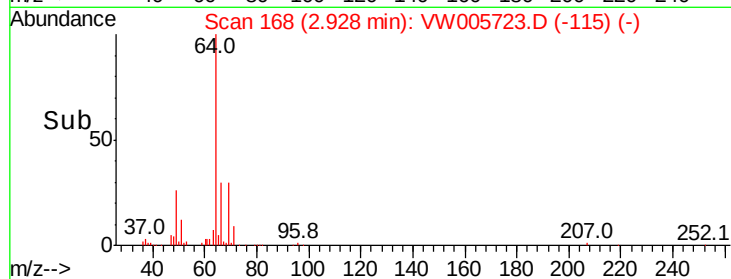
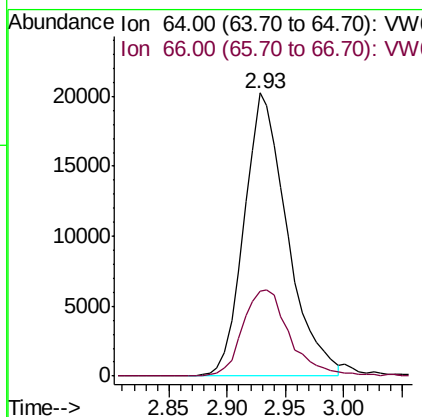
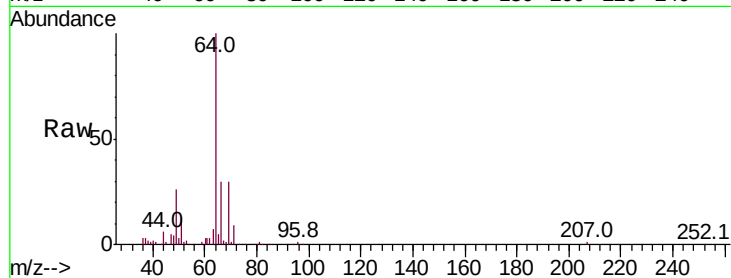




#8
Chloroethane
Concen: 24.992 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

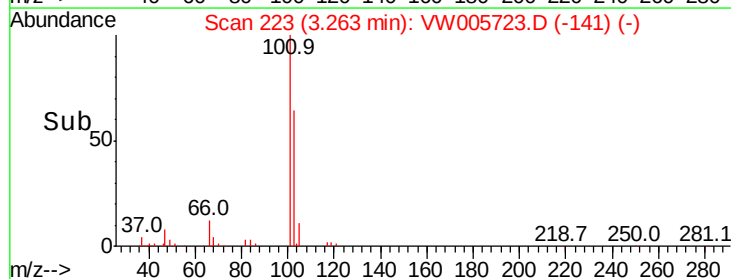
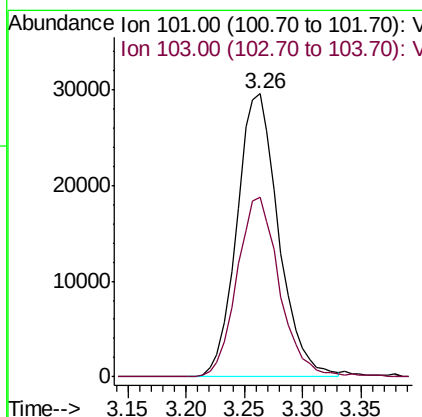
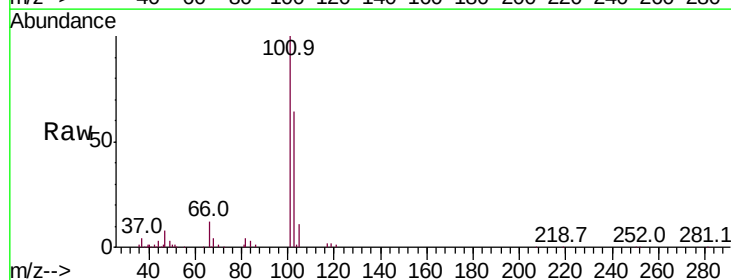
Instrument :
MSVOA_W
ClientSampleId :

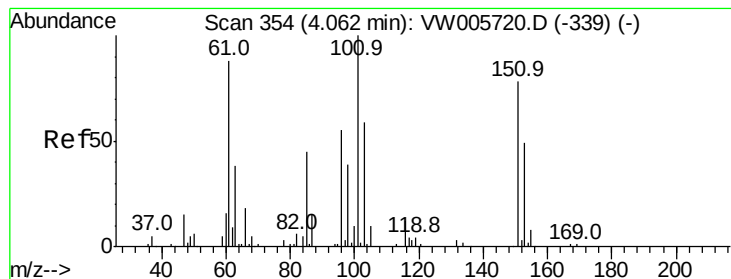
Tot Ion: 64 Resp: 52242
Ion Ratio Lower Upper
64 100
66 30.1 21.1 39.3



#9
Trichlorofluoromethane
Concen: 25.644 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion:101 Resp: 73666
Ion Ratio Lower Upper
101 100
103 64.9 44.9 83.5





#11

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

Concen: 23.729 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

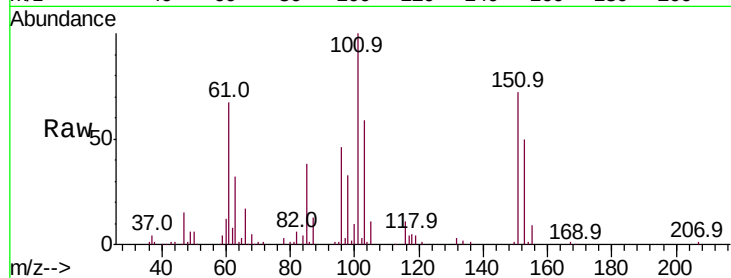
Tot Ion:101 Resp: 77004

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

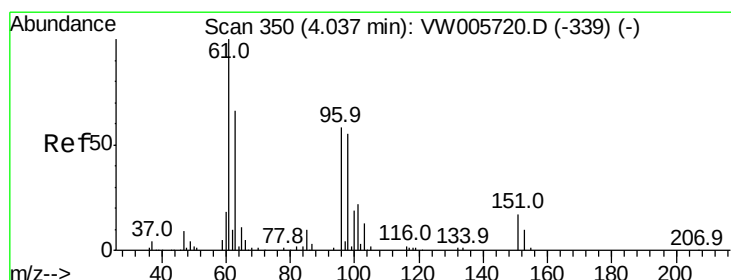
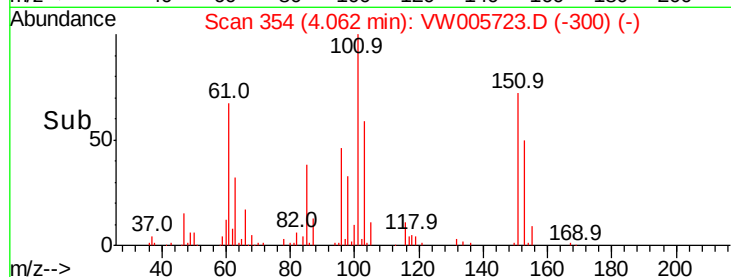
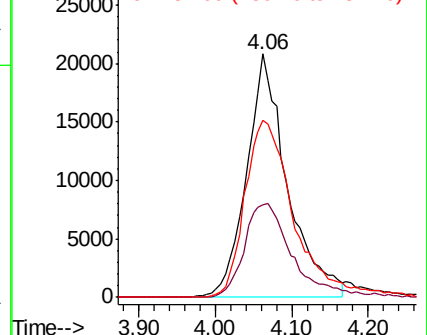
151 84.8 66.4 99.6



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: 23.764 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

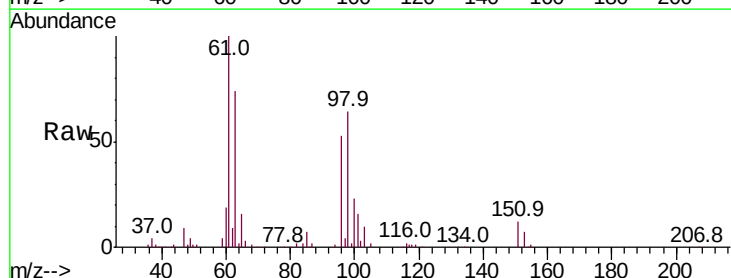
Tgt Ion: 96 Resp: 73653

Ion Ratio Lower Upper

96 100

61 189.5 121.4 225.6

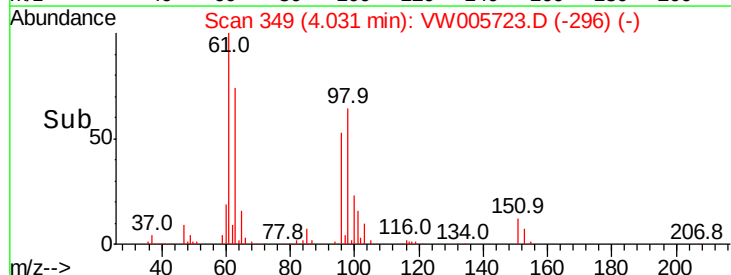
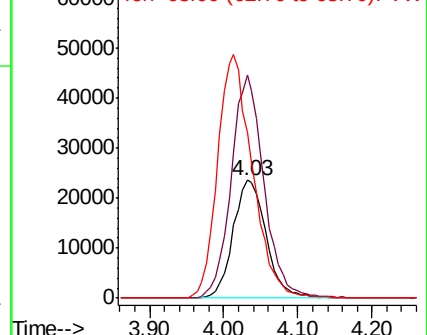
63 140.1 87.2 161.9

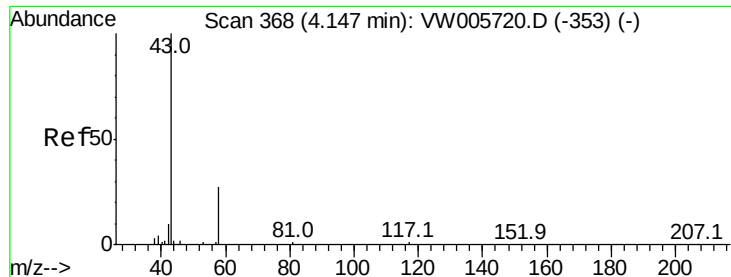


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.224 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

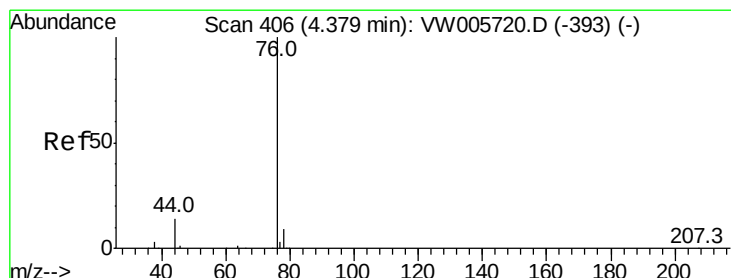
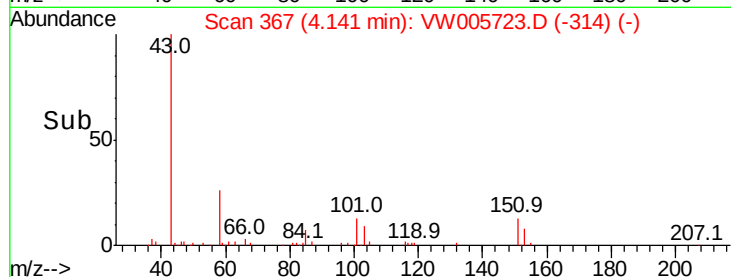
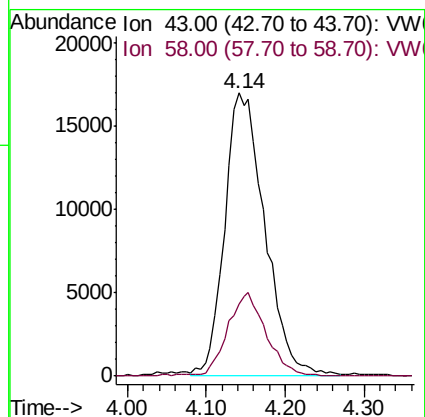
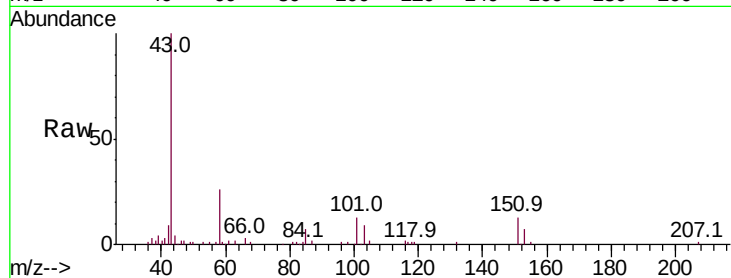
ClientSampleId :

Tot Ion: 43 Resp: 60251

Ion Ratio Lower Upper

43 100

58 28.3 0.0 31.8



#14

Carbon disulfide

Concen: 22.441 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005723.D

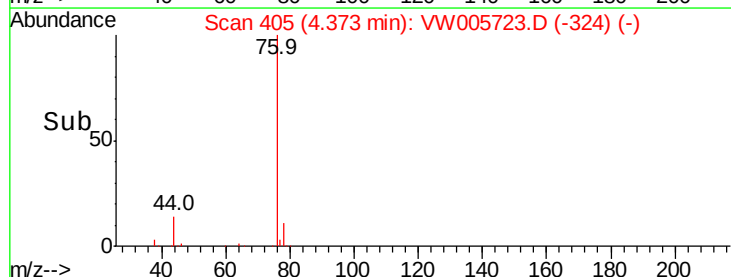
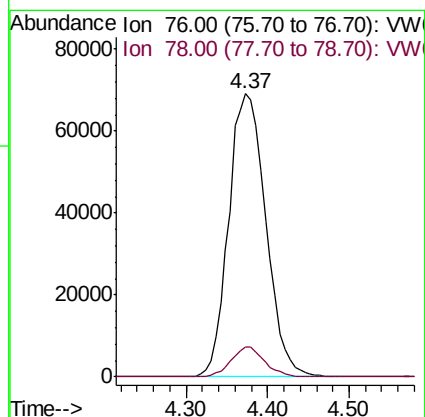
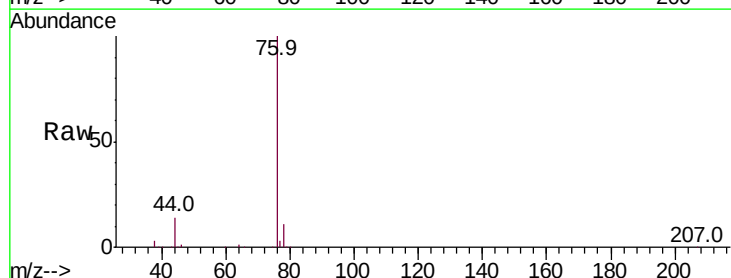
Acq: 28 Sep 2018 16:11

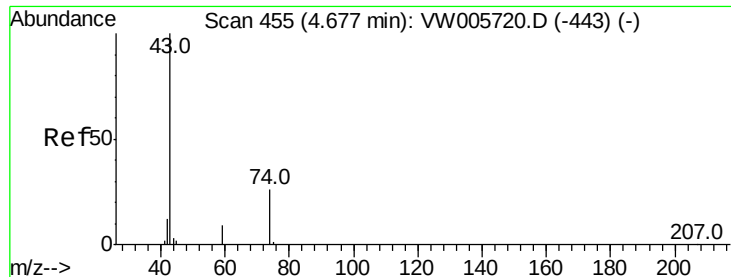
Tgt Ion: 76 Resp: 218079

Ion Ratio Lower Upper

76 100

78 10.5 7.1 10.7

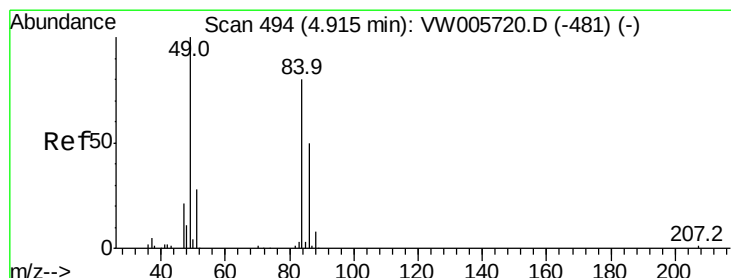
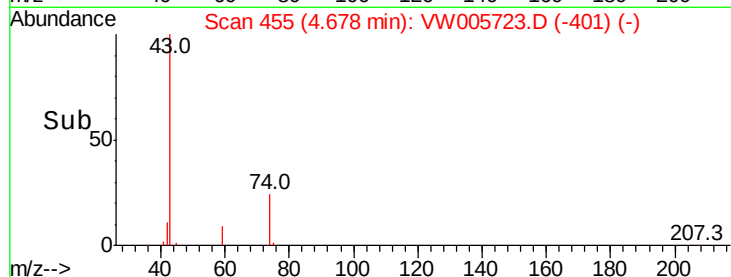
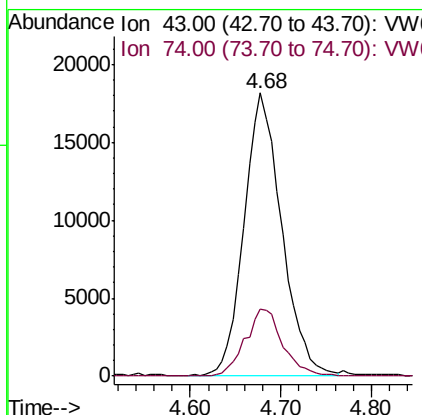
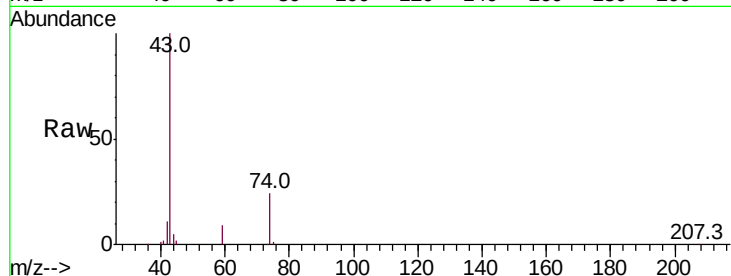




#15
Methvl Acetate
Concen: 28.919 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

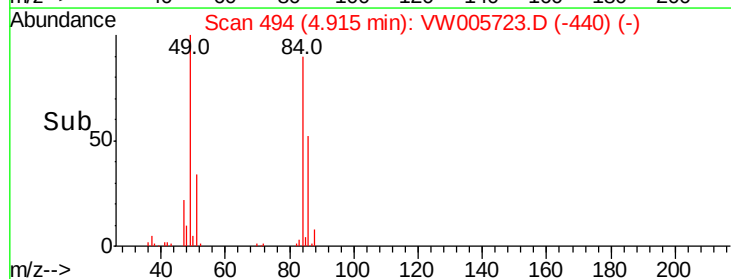
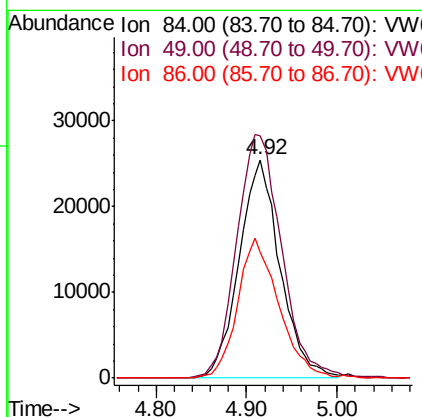
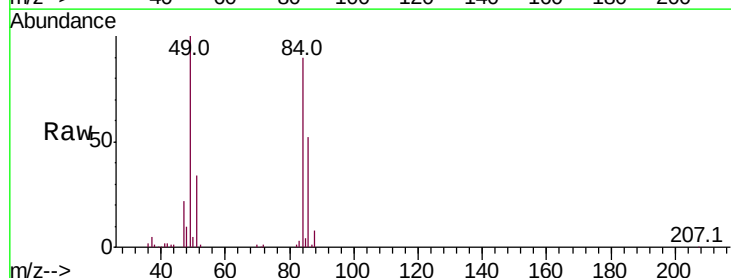
Instrument :
MSVOA_W
ClientSampled :

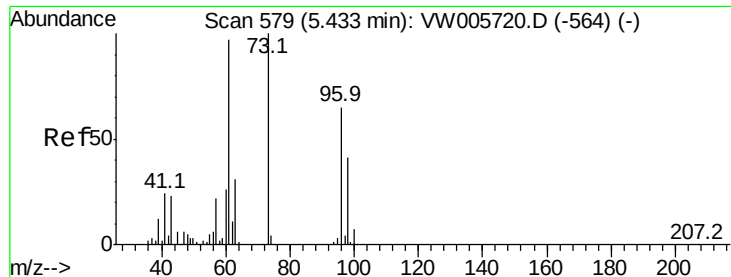
Tot Ion: 43 Resp: 52211
Ion Ratio Lower Upper
43 100
74 23.6 19.5 29.3



#16
Methylene chloride
Concen: 20.327 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion: 84 Resp: 80004
Ion Ratio Lower Upper
84 100
49 110.9 87.2 162.0
86 57.6 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 24.353 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

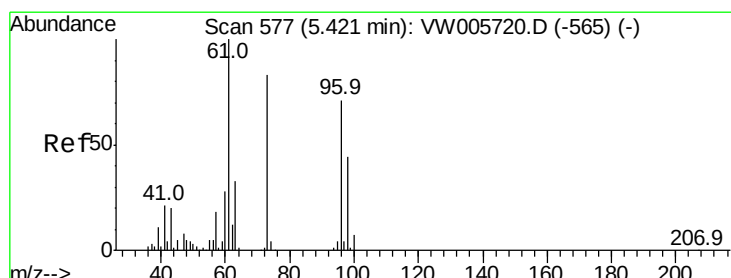
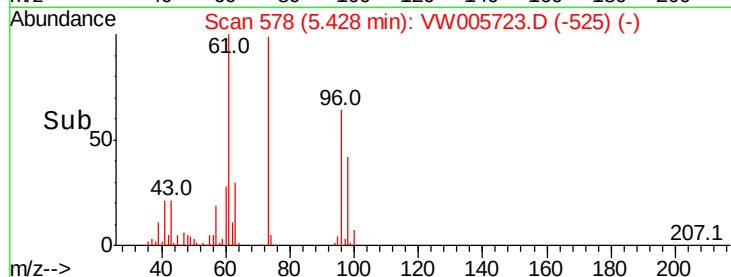
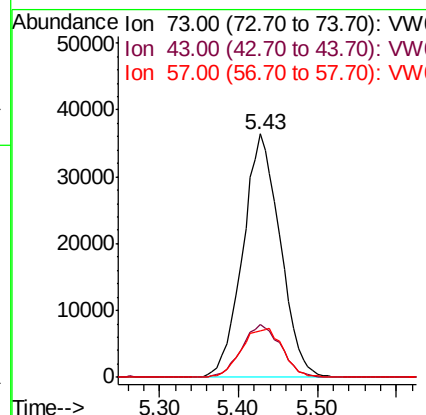
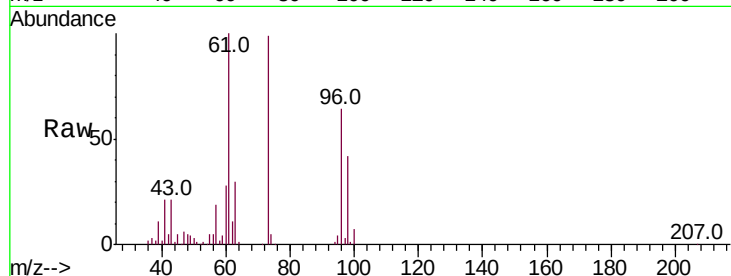
Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 120098

Ion	Ratio	Lower	Upper
73	100		
43	22.8	18.2	27.4
57	22.3	17.5	26.3



#18

trans-1,2-Dichloroethene

Concen: 23.268 ug/L

RT: 5.42 min Scan# 577

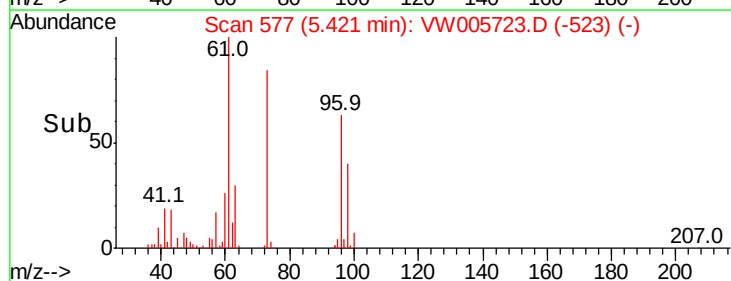
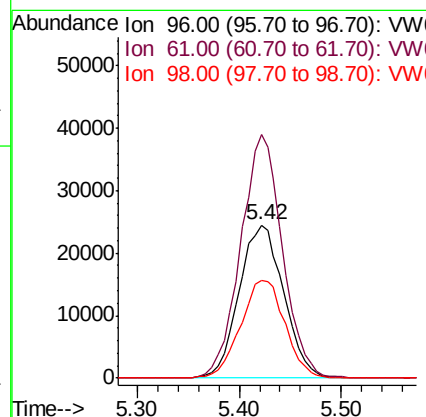
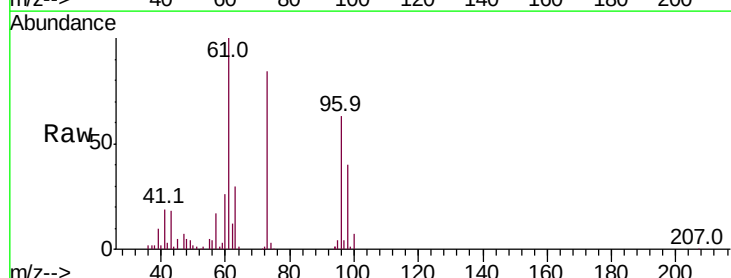
Delta R.T. 0.00 min

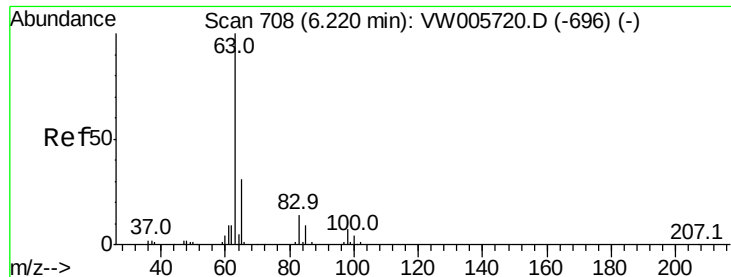
Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Tgt Ion: 96 Resp: 74170

Ion	Ratio	Lower	Upper
96	100		
61	159.3	98.6	183.2
98	64.2	43.7	81.1



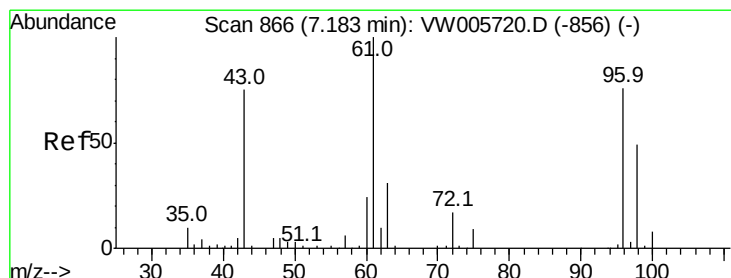
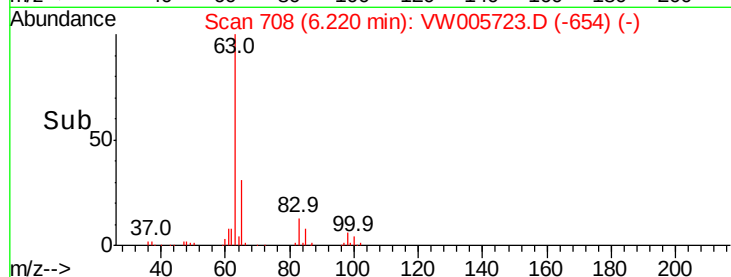
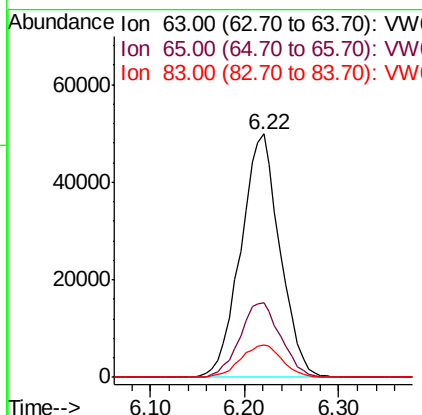
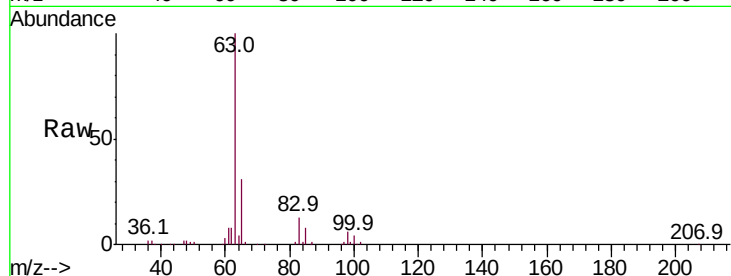


#19
 1,1-Dichloroethane
 Concen: 24.576 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 144953

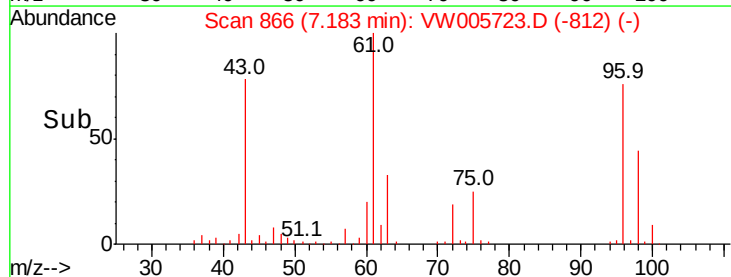
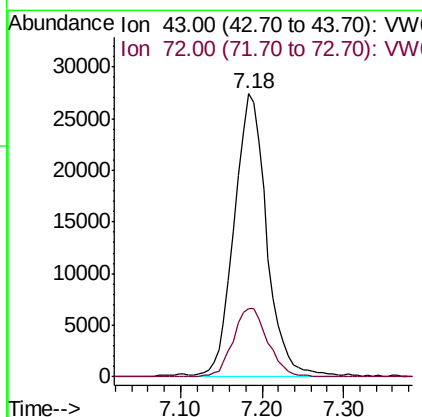
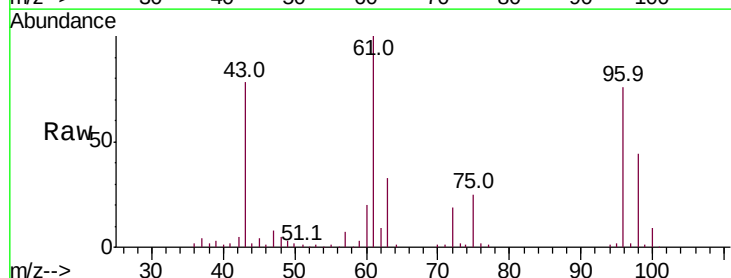
Ion	Ratio	Lower	Upper
63	100		
65	30.8	21.8	40.4
83	13.2	9.7	18.1

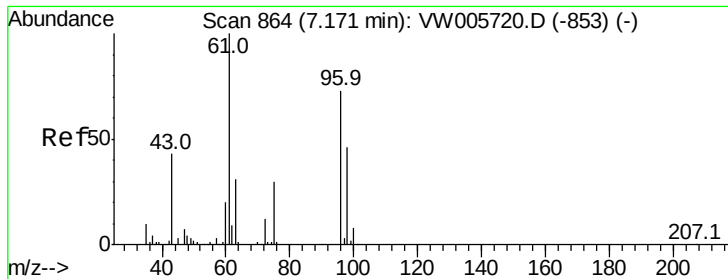


#21
 2-Butanone
 Concen: 61.937 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

Tgt Ion: 43 Resp: 75462

Ion	Ratio	Lower	Upper
43	100		
72	25.5	13.2	39.6



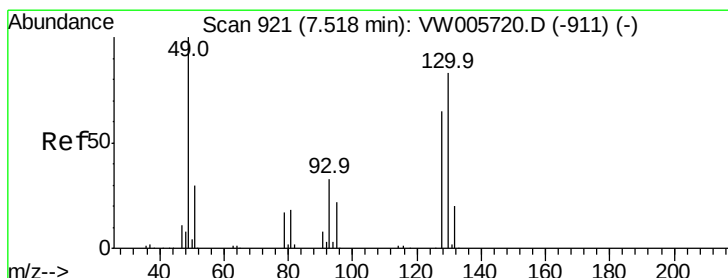
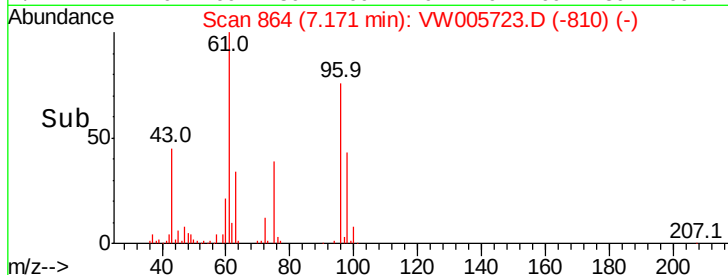
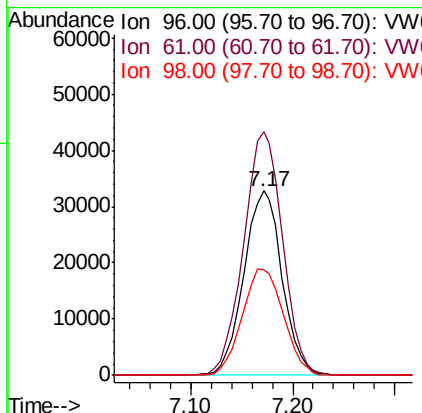
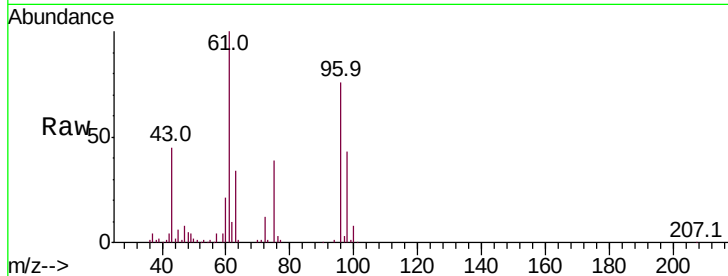


#22

cis-1,2-Dichloroethene
Concen: 24.715 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Instrument :
MSVOA_W
ClientSampled :

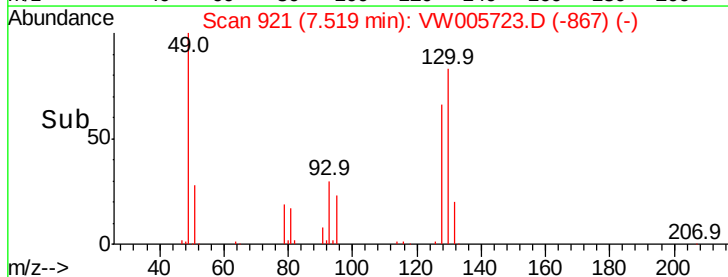
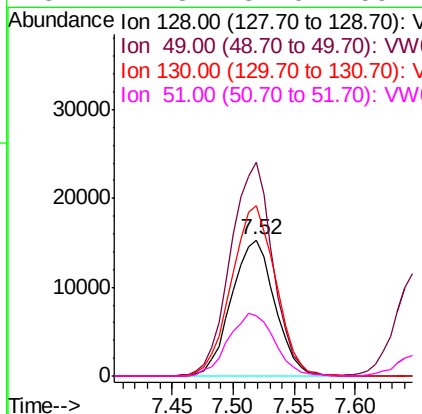
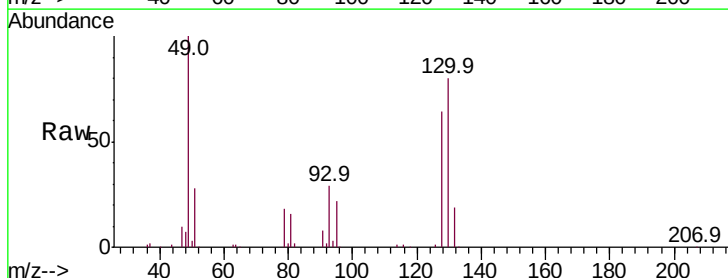
Tot Ion	96	Resp	85634
Ion Ratio	Lower	Upper	
96	100		
61	132.1	95.7	177.7
98	57.0	44.1	81.9

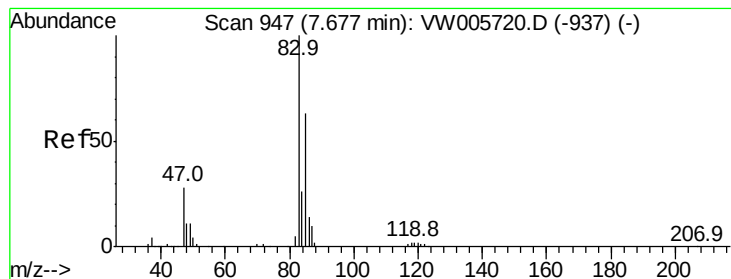


#23

Bromochloromethane
Concen: 23.440 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion	128	Resp	37693
Ion Ratio	Lower	Upper	
128	100		
49	157.4	108.1	200.7
130	125.9	89.3	165.9
51	44.8	37.0	55.4





#25

Chloroform

Concen: 23.089 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

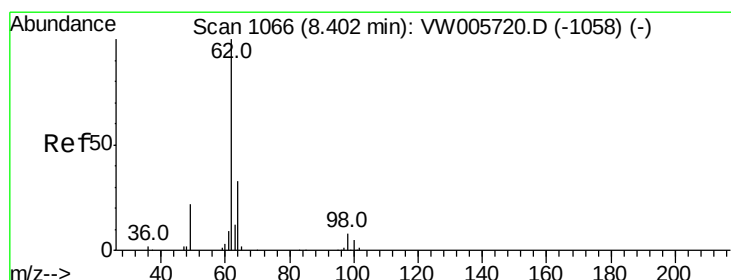
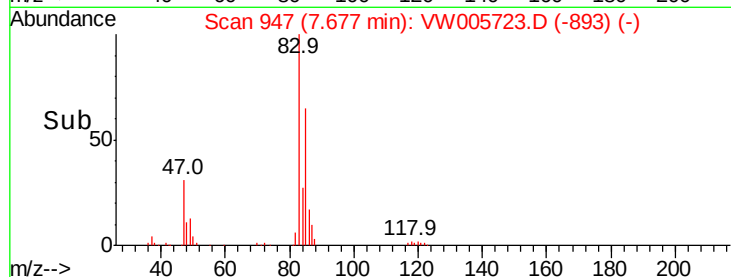
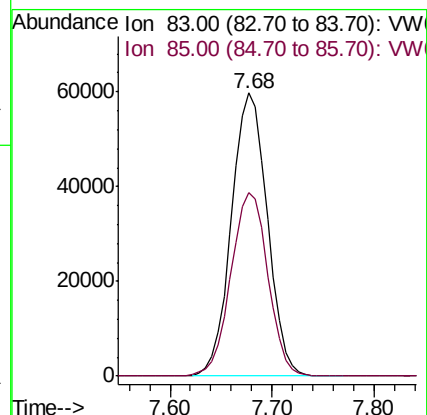
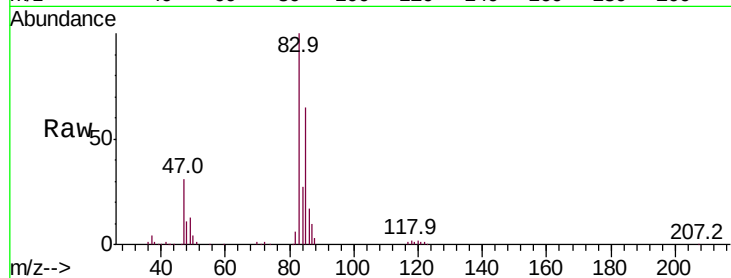
ClientSampleId :

Tot Ion: 83 Resp: 145707

Ion Ratio Lower Upper

83 100

85 66.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 23.824 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005723.D

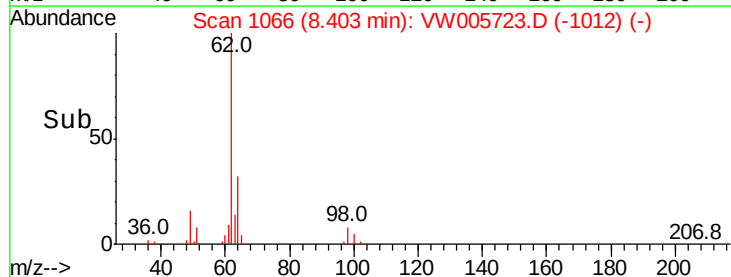
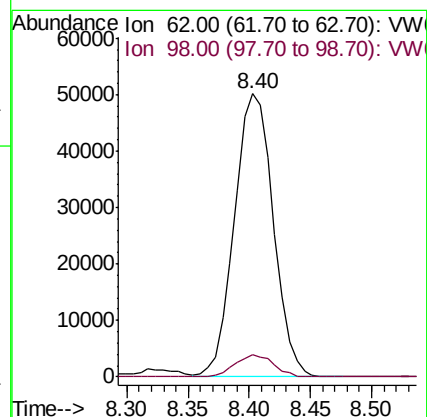
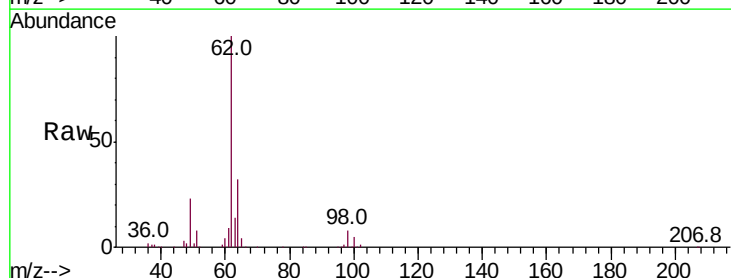
Acq: 28 Sep 2018 16:11

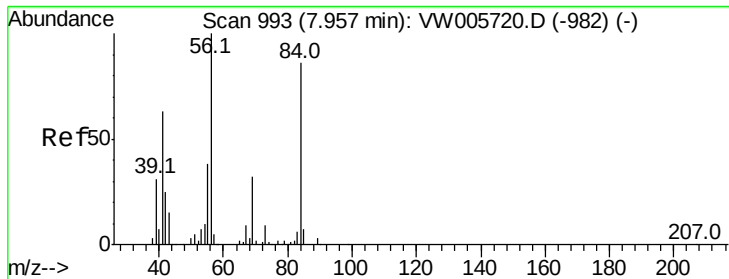
Tgt Ion: 62 Resp: 110696

Ion Ratio Lower Upper

62 100

98 7.6 6.2 9.2

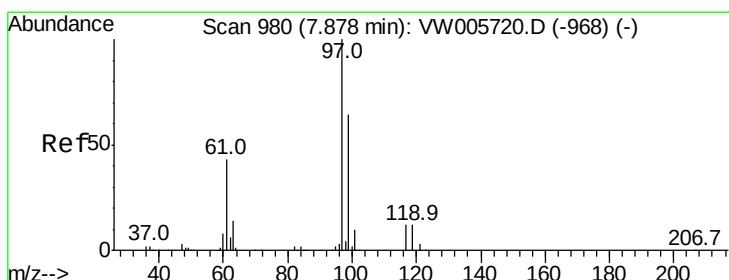
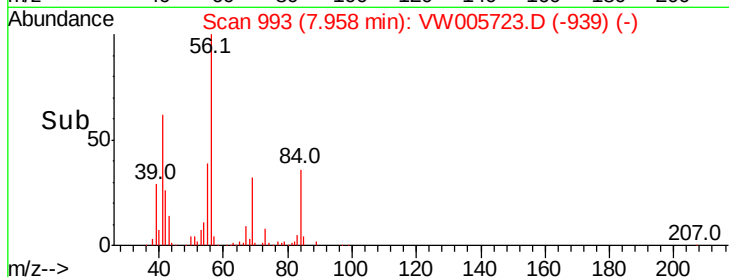
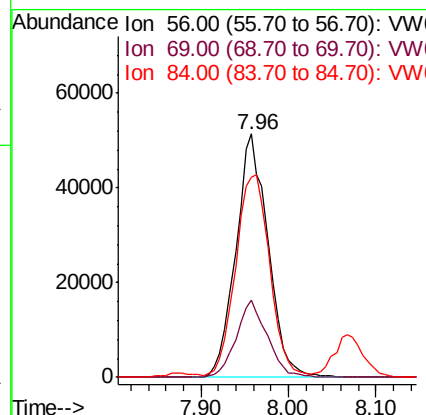
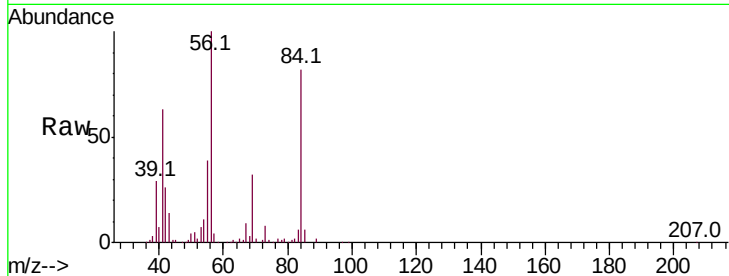




#30
Cyclohexane
Concen: 24.086 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

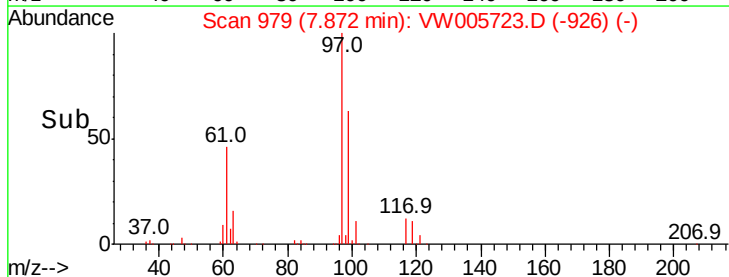
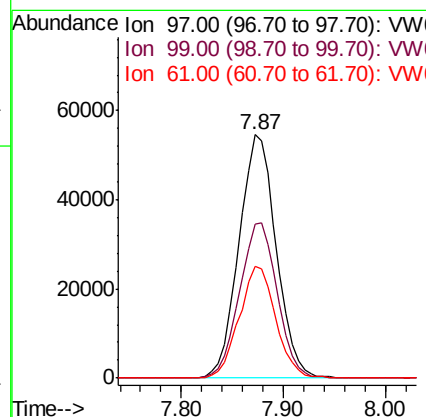
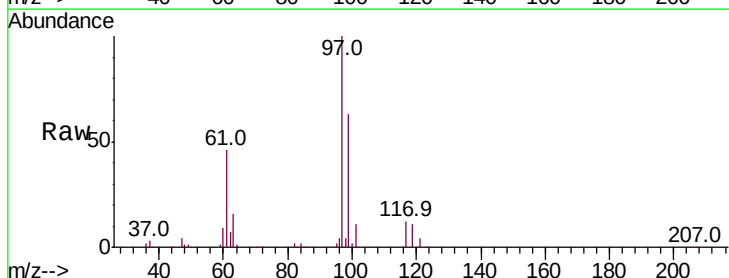
Instrument :
MSVOA_W
ClientSampled :

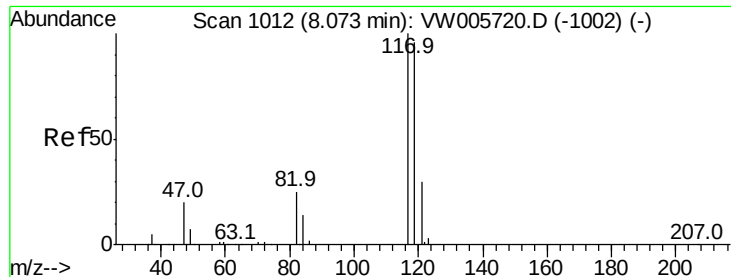
Tot Ion: 56 Resp: 131550
Ion Ratio Lower Upper
56 100
69 30.3 25.0 37.6
84 88.3 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 23.428 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion: 97 Resp: 138252
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 45.5 35.4 53.2





#32

Carbon tetrachloride

Concen: 23.355 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

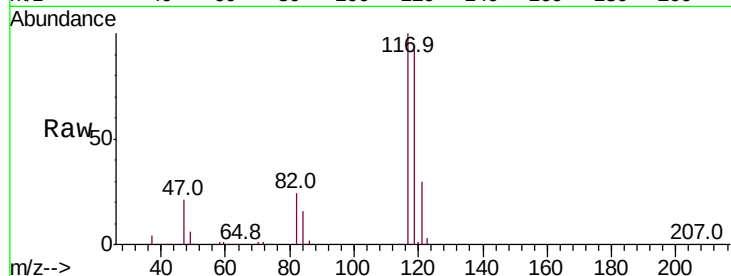
ClientSampleId :

Tot Ion:117 Resp: 134208

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

50000

40000

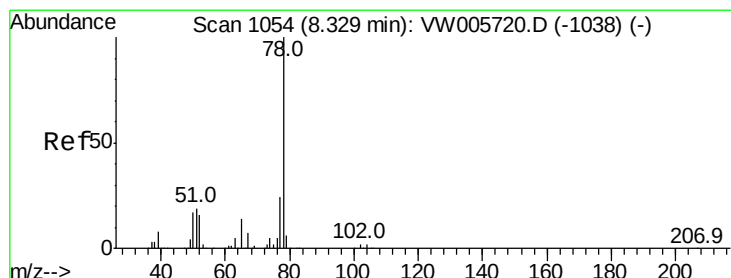
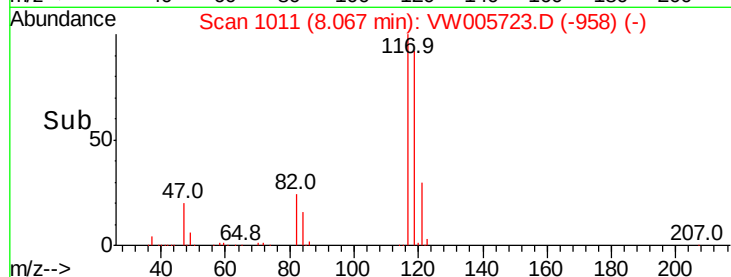
30000

20000

10000

0

Time--> 8.00 8.10 8.20



#34

Benzene

Concen: 22.038 ug/L

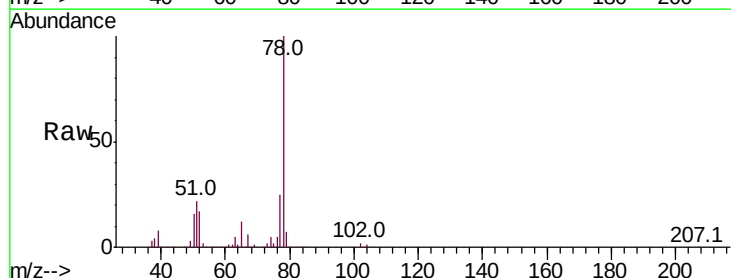
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Tgt Ion: 78 Resp: 300058



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

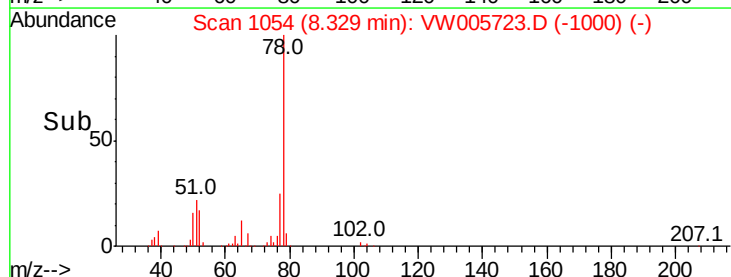
150000

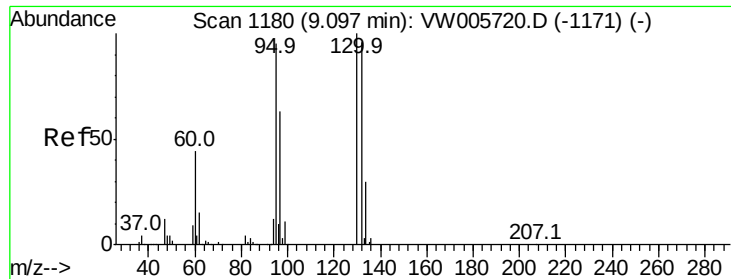
100000

50000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 22.462 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 81820

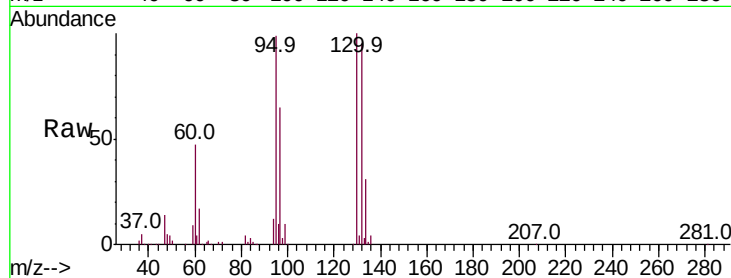
Ion Ratio Lower Upper

95 100

97 65.2 45.2 84.0

132 100.6 68.0 126.4

130 102.4 71.3 132.5

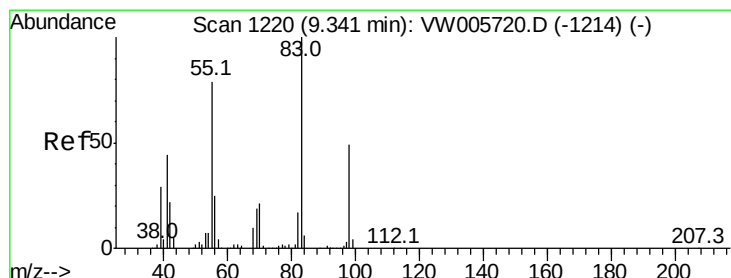
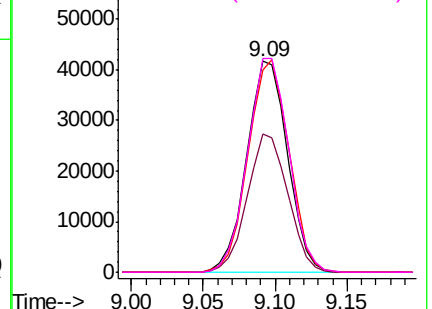
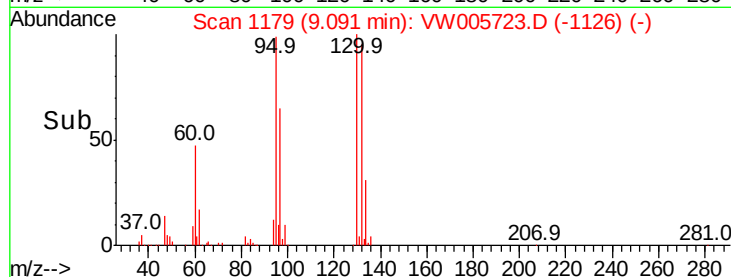


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.634 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

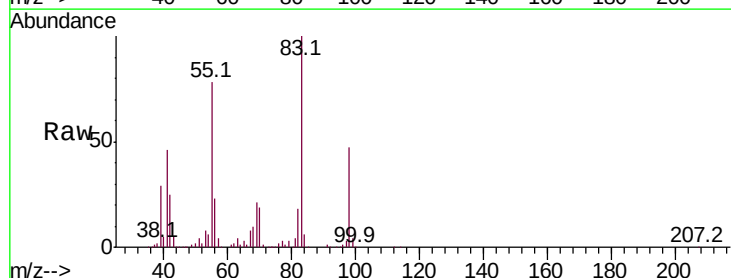
Tgt Ion: 83 Resp: 143364

Ion Ratio Lower Upper

83 100

55 78.0 62.5 93.7

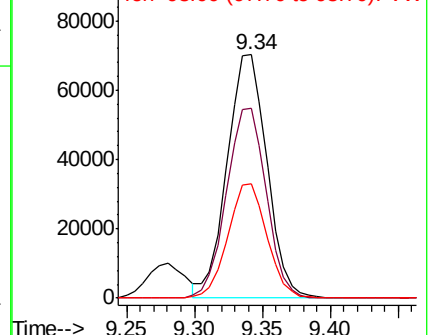
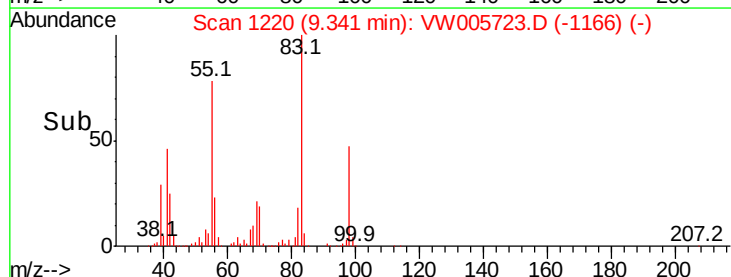
98 46.2 37.7 56.5

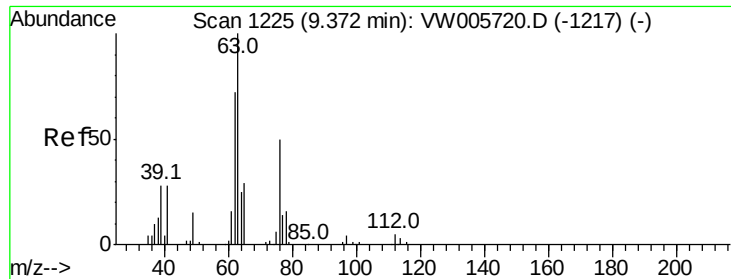


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

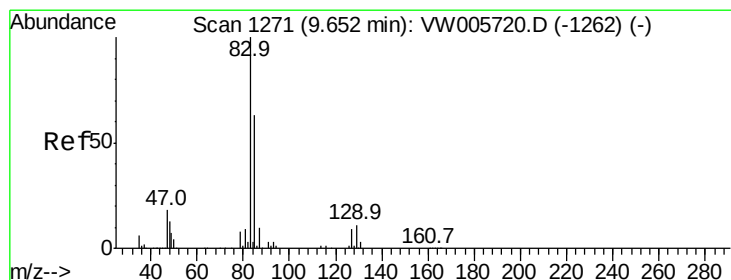
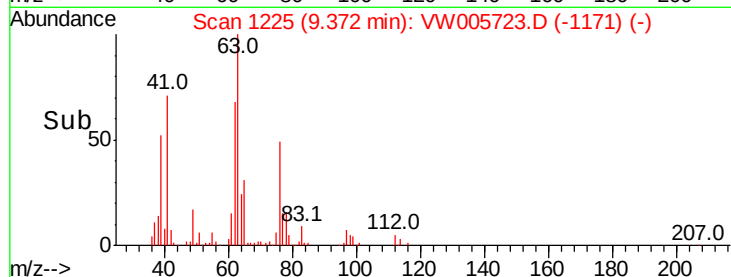
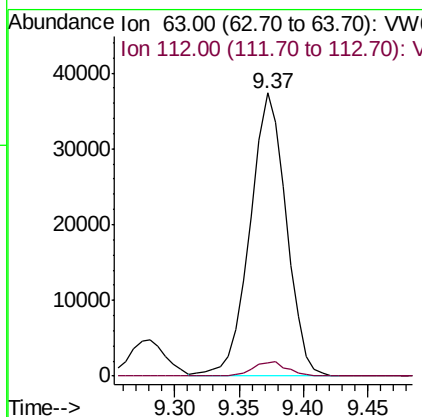
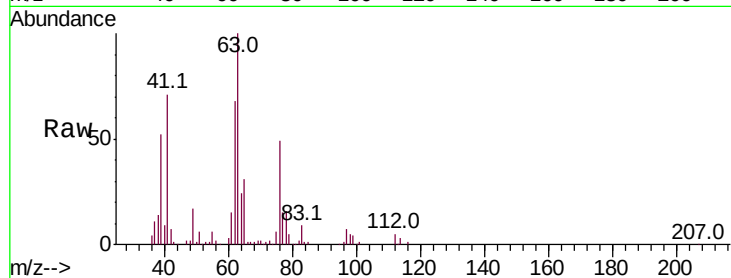




#40
1,2-Dichloropropane
Concen: 21.953 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

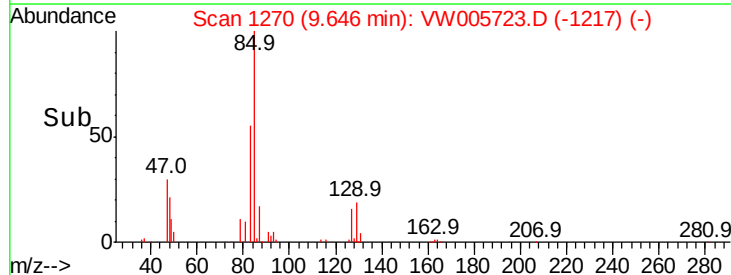
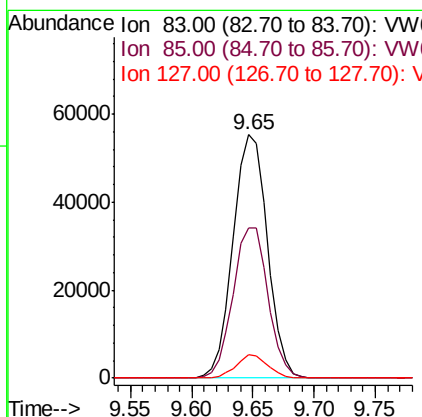
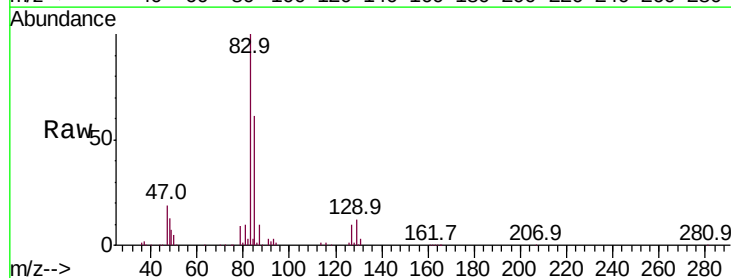
Instrument :
MSVOA_W
ClientSampleId :

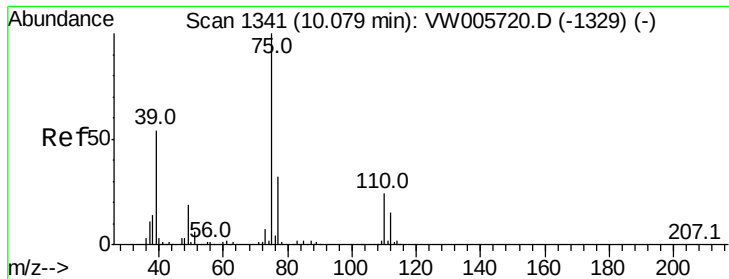
Tot Ion: 63 Resp: 72845
Ion Ratio Lower Upper
63 100
112 4.9 3.4 5.2



#41
Bromodichloromethane
Concen: 23.032 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion: 83 Resp: 107451
Ion Ratio Lower Upper
83 100
85 61.4 44.1 81.9
127 9.6 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 23.214 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

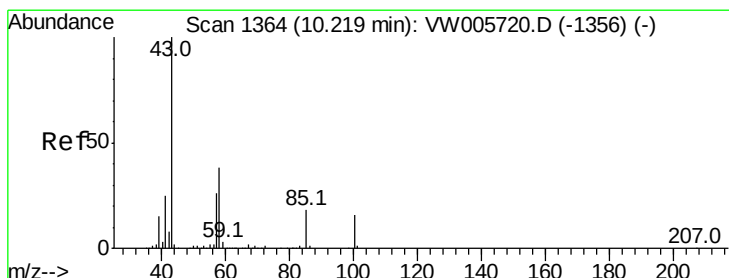
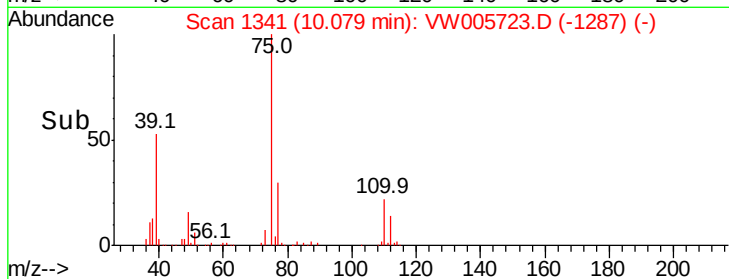
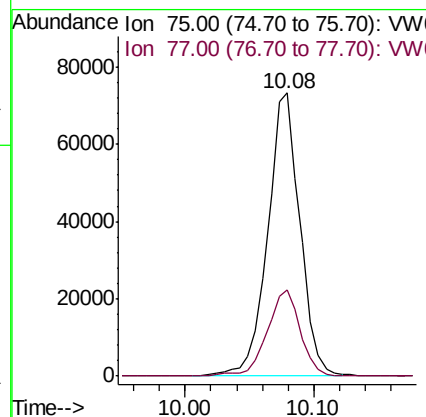
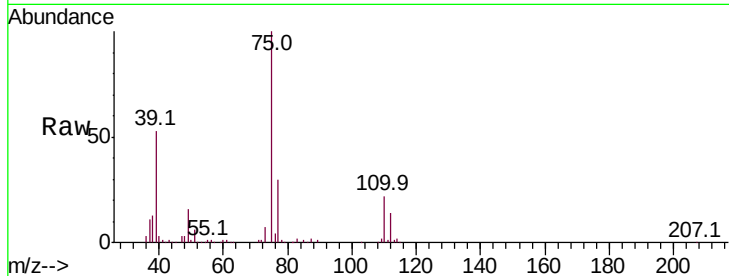
ClientSampled :

Tot Ion: 75 Resp: 127204

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 56.011 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

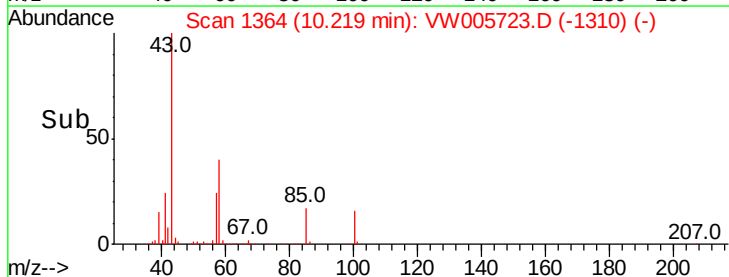
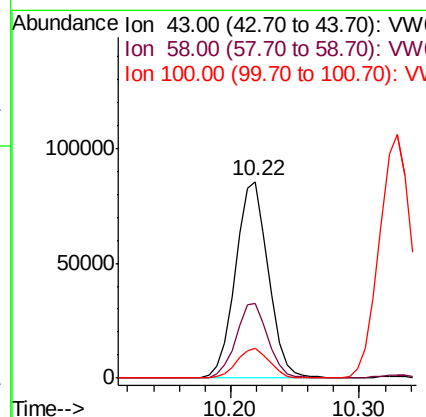
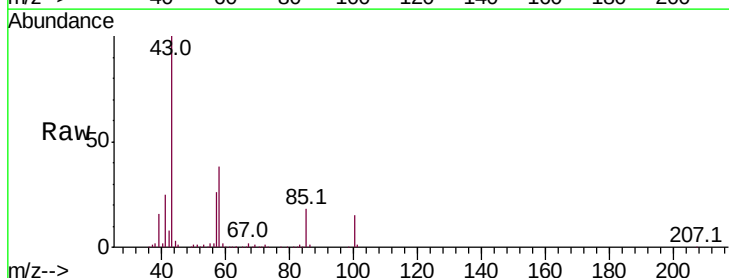
Tgt Ion: 43 Resp: 151671

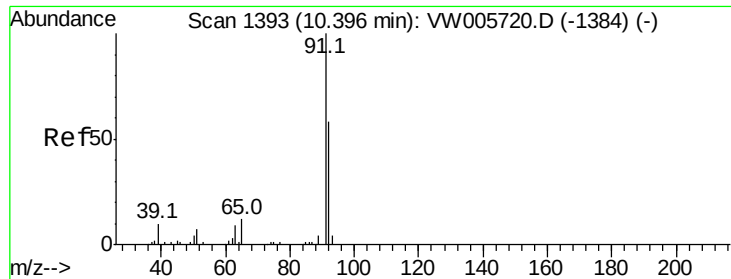
Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.8

100 14.9 12.2 18.4





#44

Toluene

Concen: 23.798 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

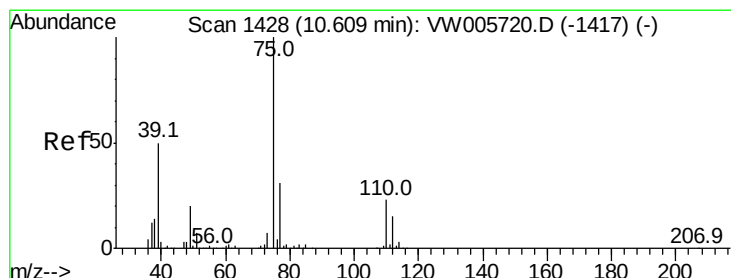
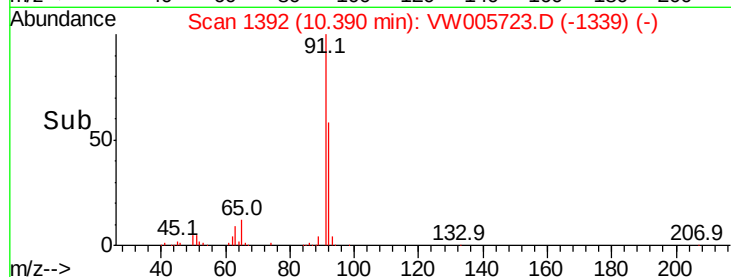
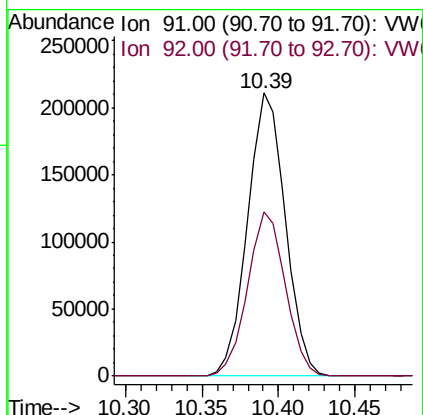
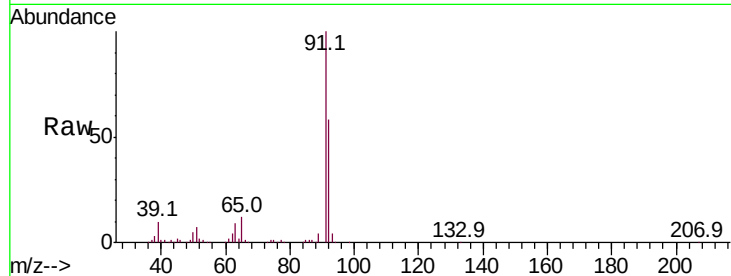
ClientSampled :

Tot Ion: 91 Resp: 362099

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.400 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005723.D

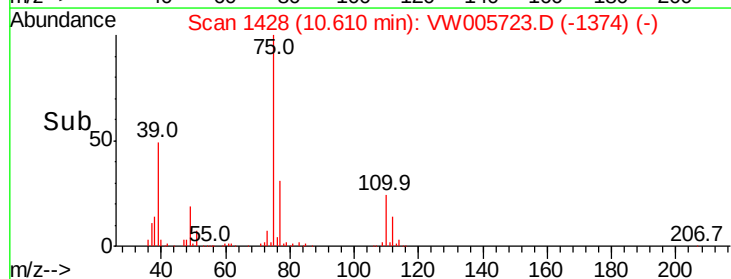
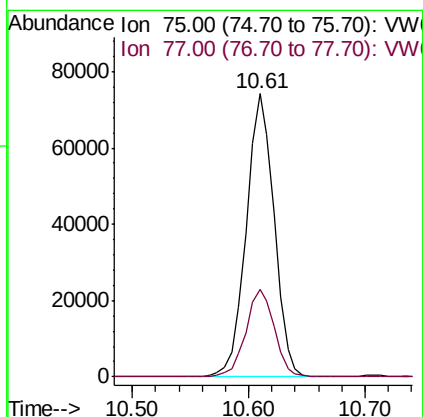
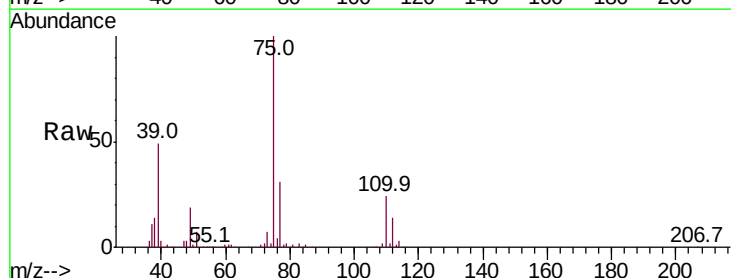
Acq: 28 Sep 2018 16:11

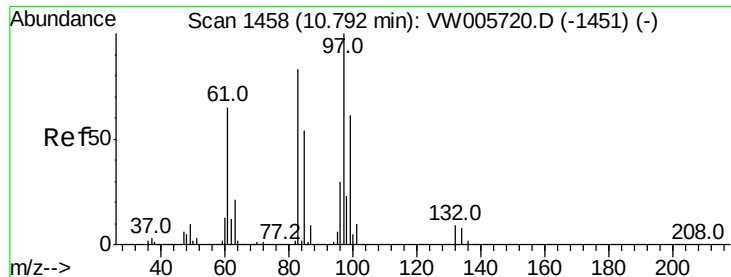
Tgt Ion: 75 Resp: 124498

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1

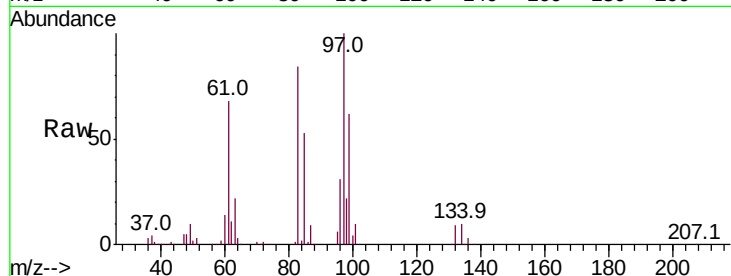




#46
1,1,2-Trichloroethane
Concen: 24.130 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 66813
Ion Ratio Lower Upper
97 100
83 84.5 58.3 108.3
85 53.0 38.0 70.6
99 61.9 42.8 79.4



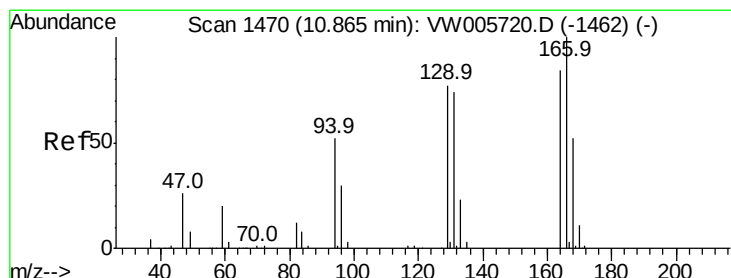
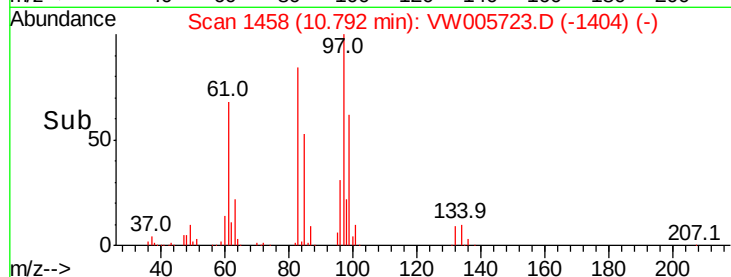
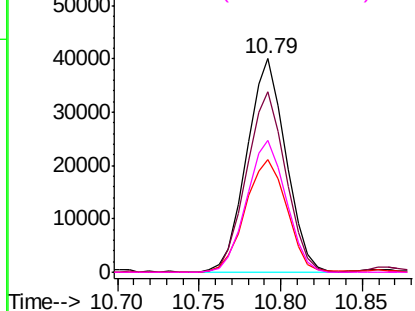
Abundance

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: 23.682 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion: 164 Resp: 75999
Ion Ratio Lower Upper
164 100
129 93.3 63.8 118.4
131 89.6 61.5 114.3
166 126.9 83.2 154.6

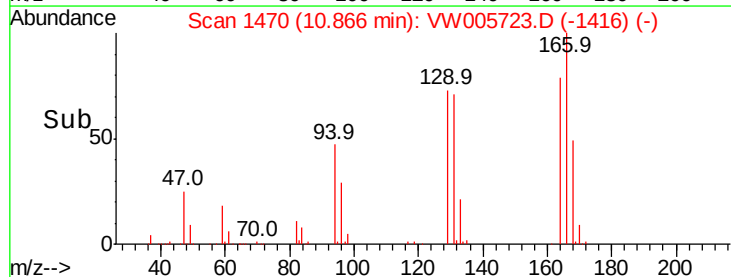
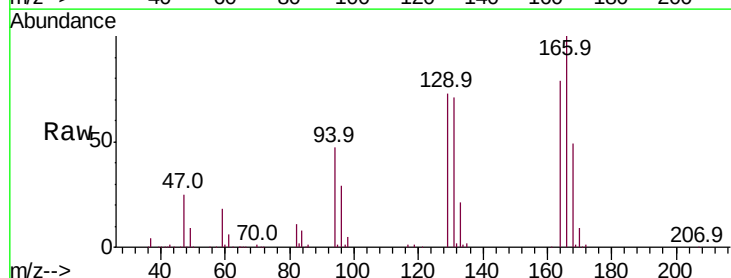
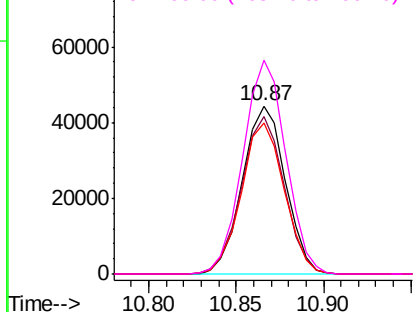
Abundance

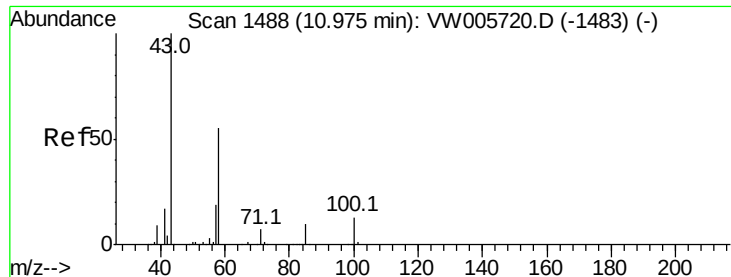
Ion 164.00 (163.70 to 164.70): V

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

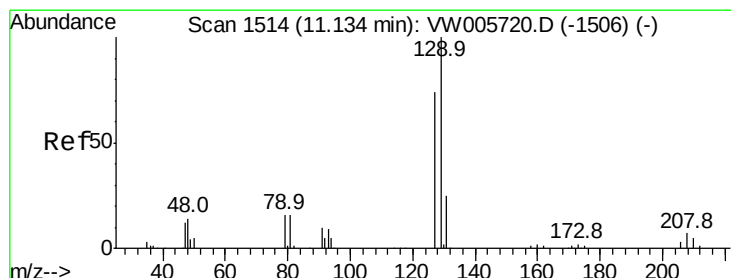
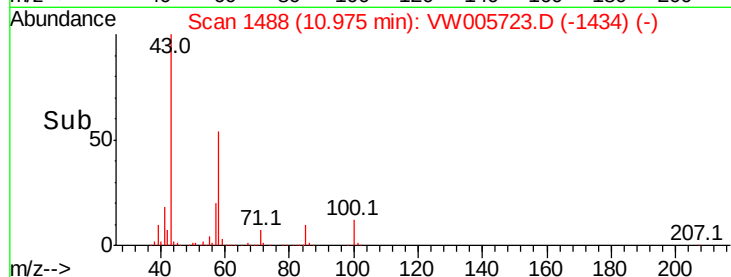
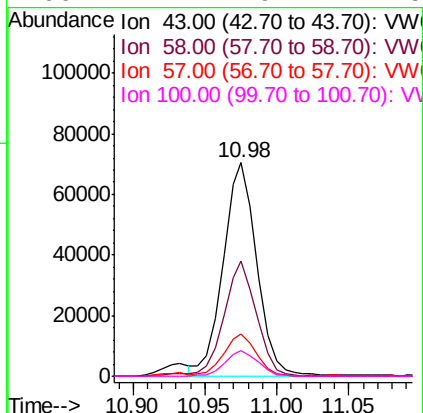
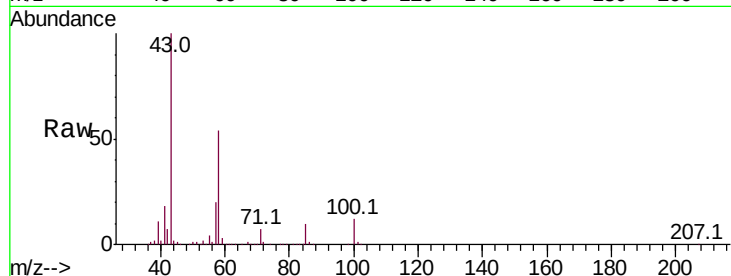




#49
2-Hexanone
Concen: 60.865 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

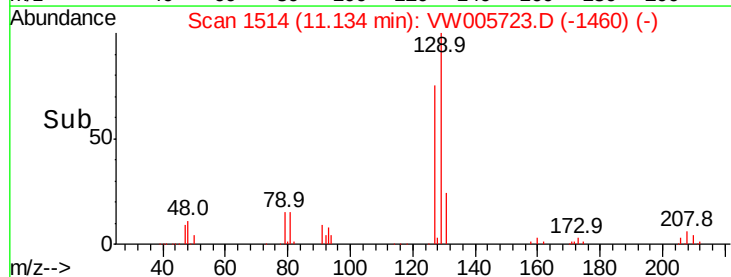
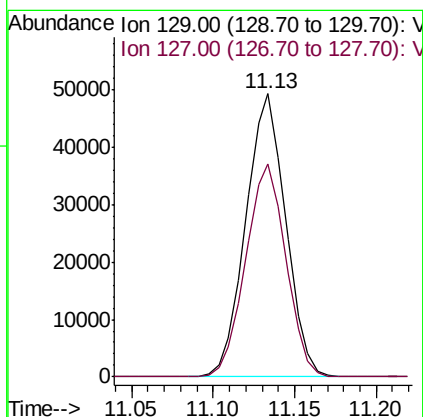
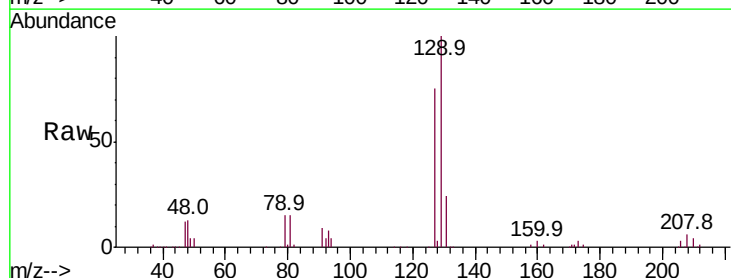
Instrument :
MSVOA_W
ClientSampleId :

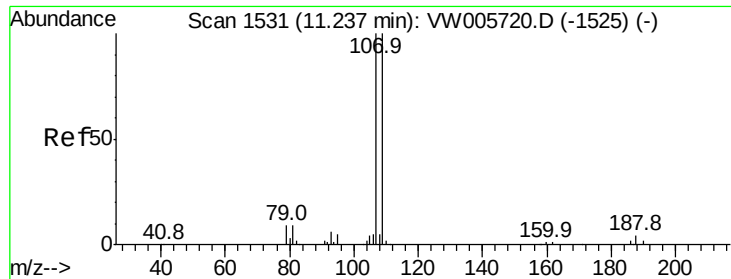
Tot Ion: 43 Resp: 115690
Ion Ratio Lower Upper
43 100
58 51.4 42.0 63.0
57 19.5 15.7 23.5
100 11.7 9.7 14.5



#50
Dibromochloromethane
Concen: 24.197 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion: 129 Resp: 84024
Ion Ratio Lower Upper
129 100
127 75.3 51.7 95.9

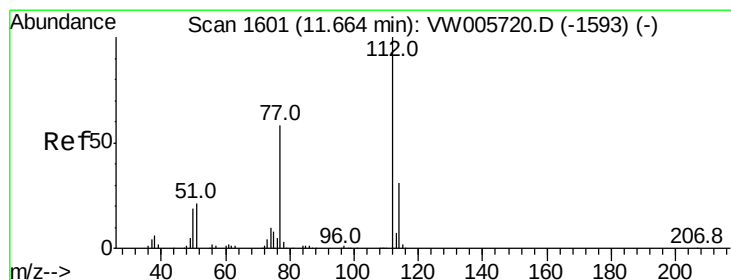
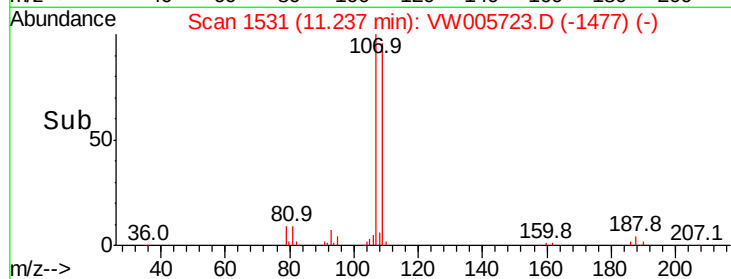
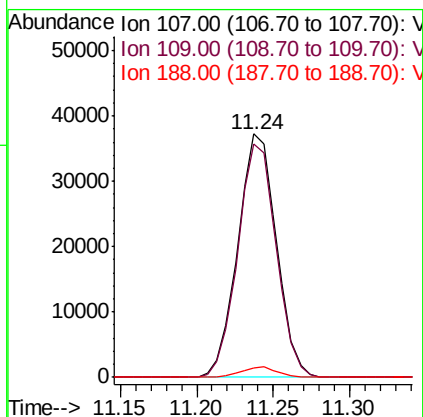
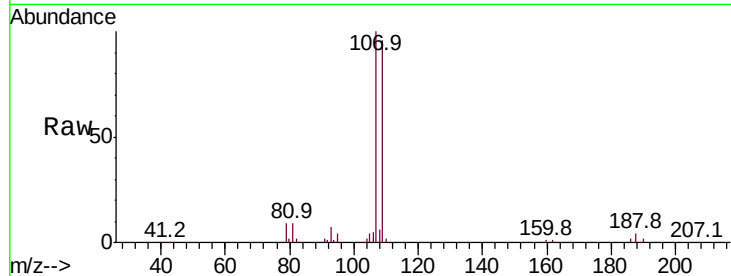




#51
 1,2-Dibromoethane
 Concen: 24.332 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

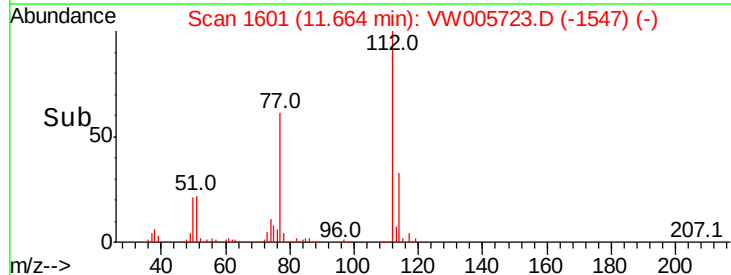
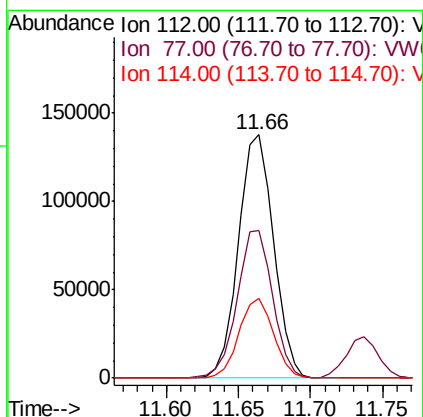
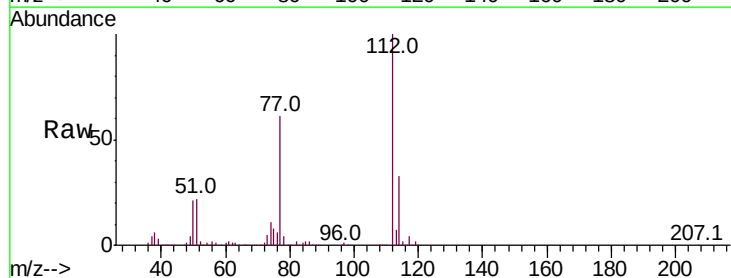
Instrument :
 MSVOA_W
 ClientSampleId :

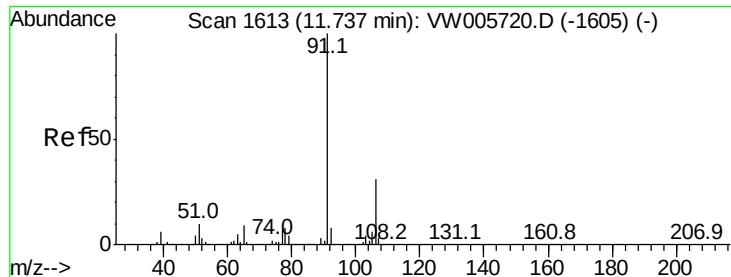
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	70.1	130.3
188	3.9	3.4	5.2



#52
 Chlorobenzene
 Concen: 23.347 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.6	46.7	70.1
114	32.8	21.8	40.6

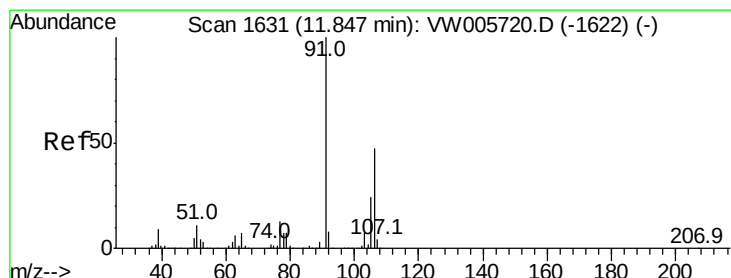
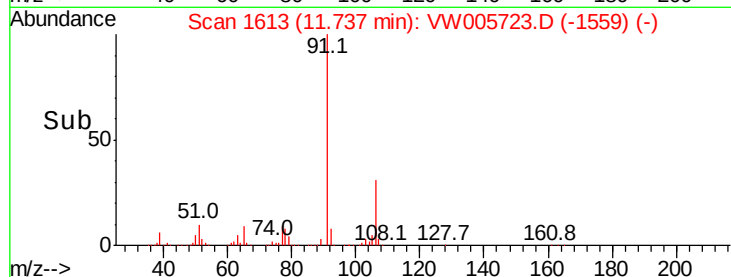
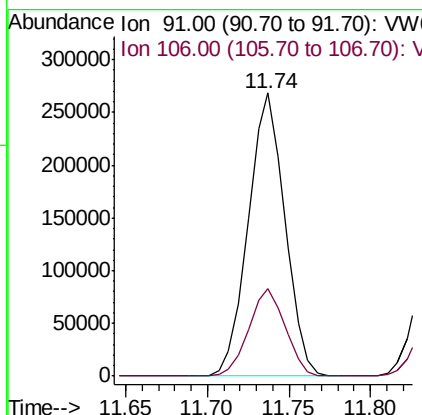
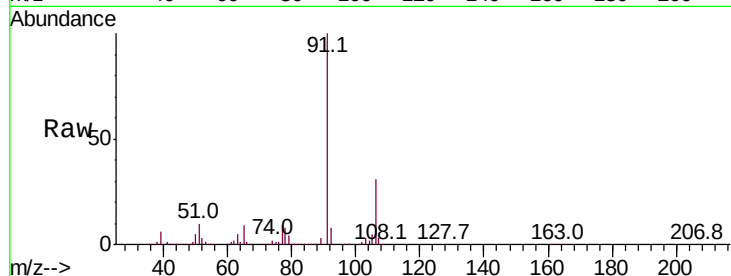




#53
Ethylbenzene
Concen: 24.094 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

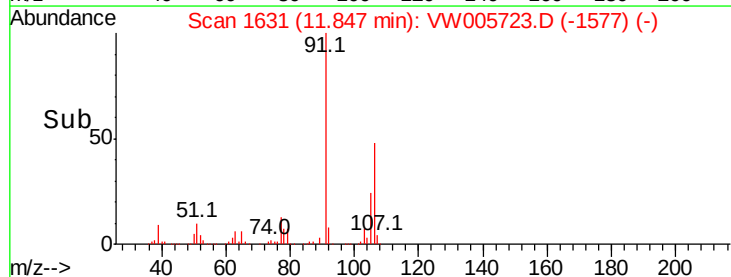
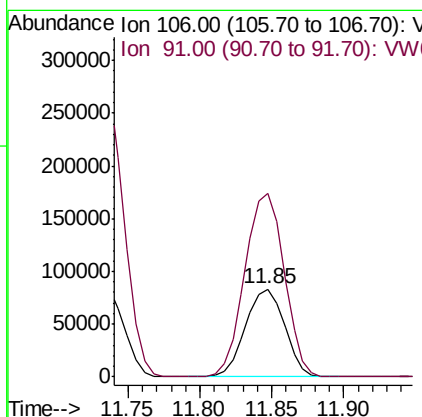
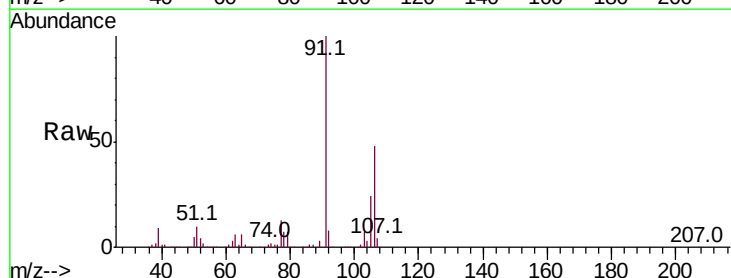
Instrument :
MSVOA_W
ClientSampleId :

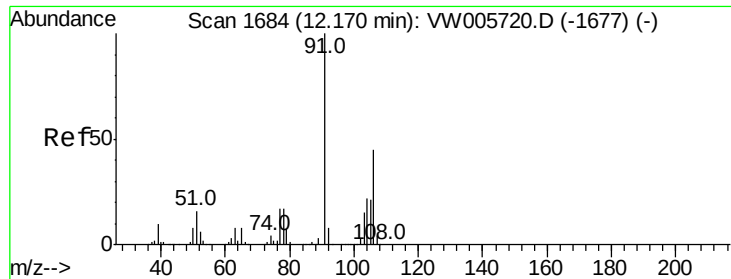
Tot Ion: 91 Resp: 419758
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#54
m,p-Xylene
Concen: 23.969 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005723.D
Acq: 28 Sep 2018 16:11

Tgt Ion:106 Resp: 157318
Ion Ratio Lower Upper
106 100
91 208.9 147.7 274.3





#55

o-xylene

Concen: 24.131 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

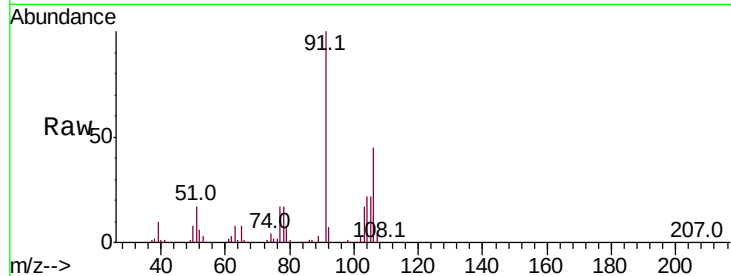
ClientSampled :

Tot Ion:106 Resp: 149281

Ion Ratio Lower Upper

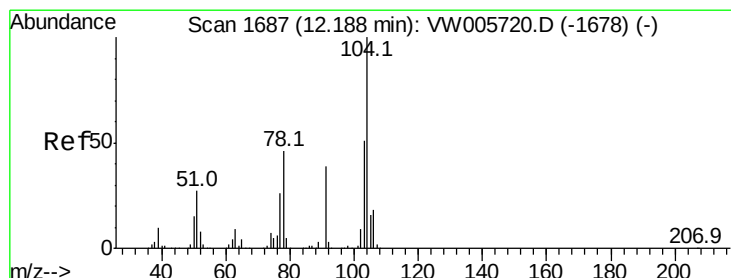
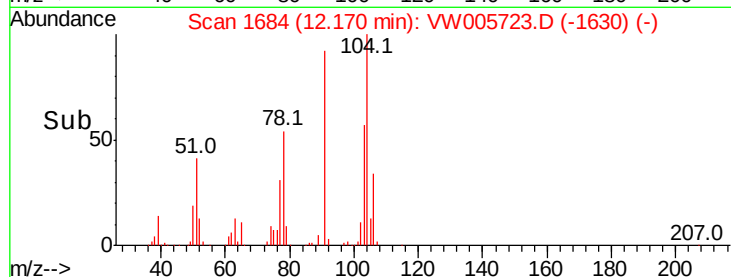
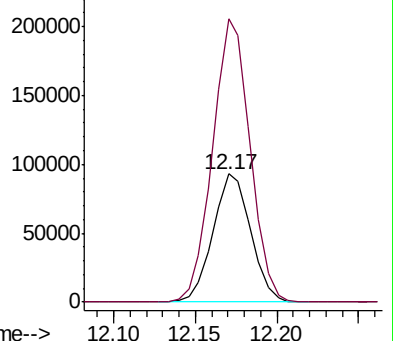
106 100

91 221.0 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.257 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005723.D

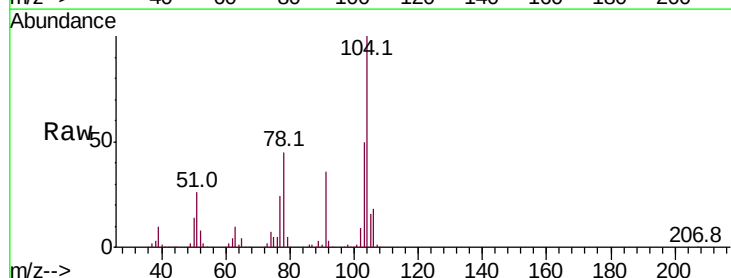
Acq: 28 Sep 2018 16:11

Tgt Ion:104 Resp: 263352

Ion Ratio Lower Upper

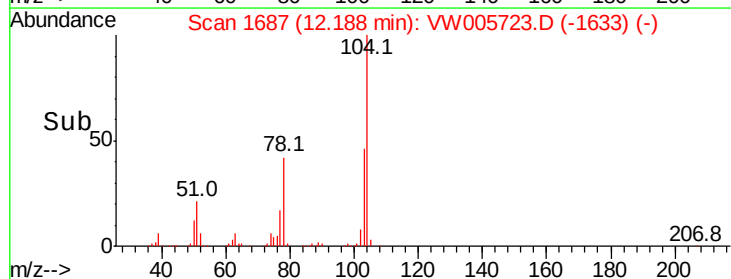
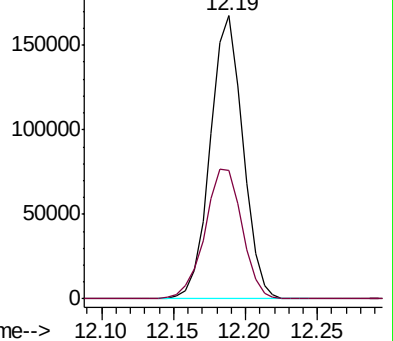
104 100

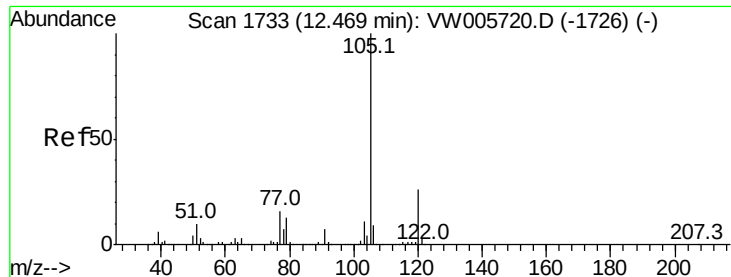
78 45.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.450 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

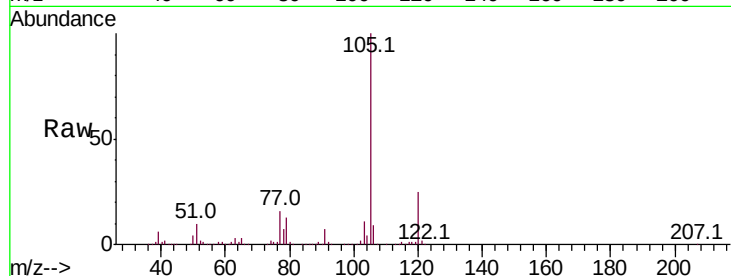
Tot Ion:105 Resp: 432030

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

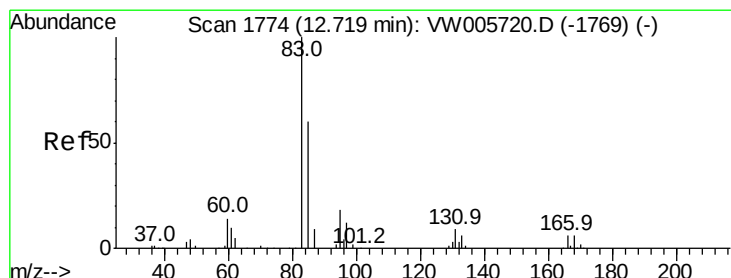
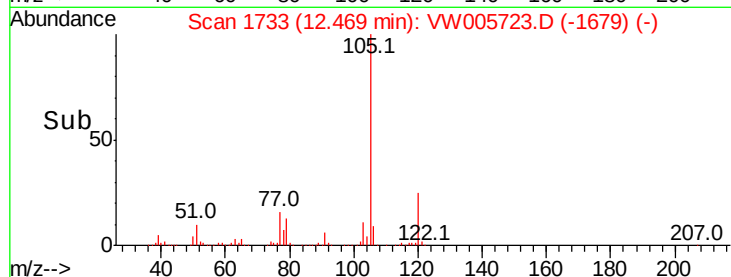
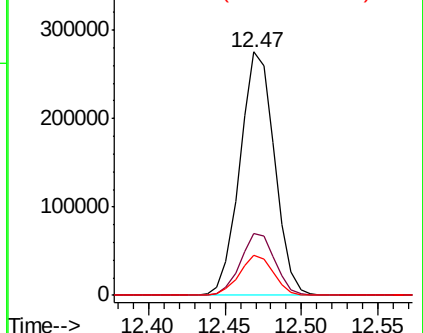
77 16.1 13.0 19.6



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: 26.199 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

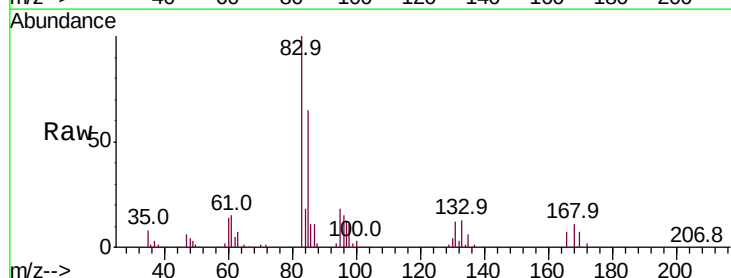
Tgt Ion: 83 Resp: 92538

Ion Ratio Lower Upper

83 100

85 65.3 43.0 80.0

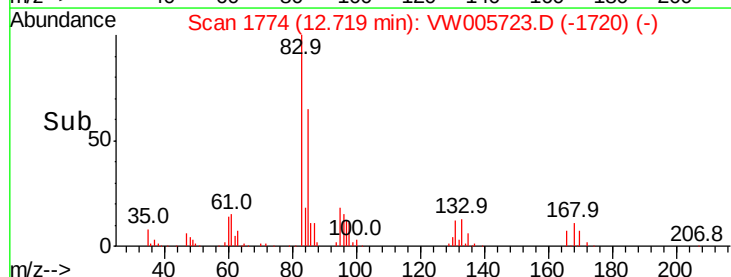
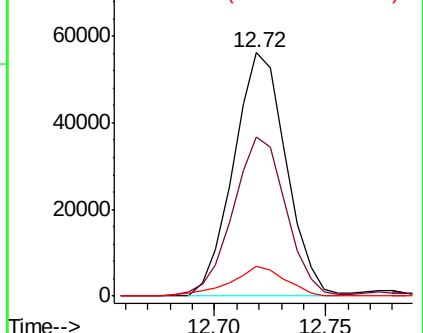
131 12.0 8.0 12.0

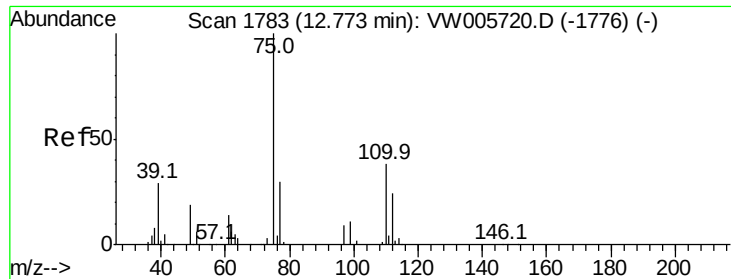


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.354 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

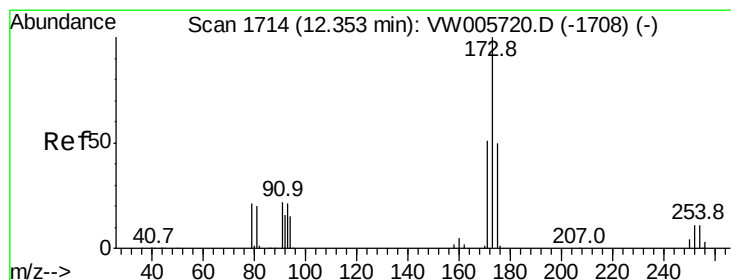
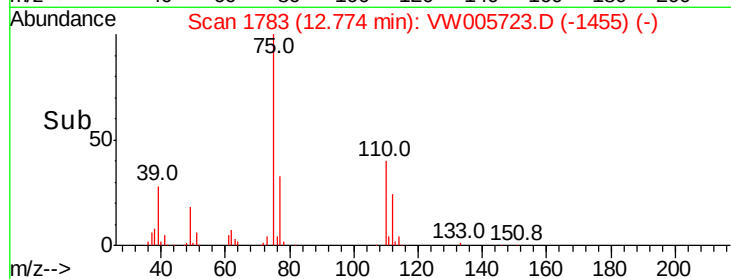
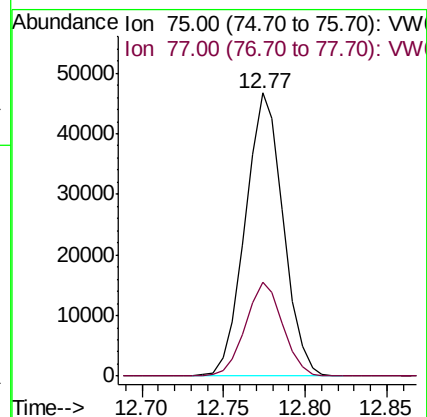
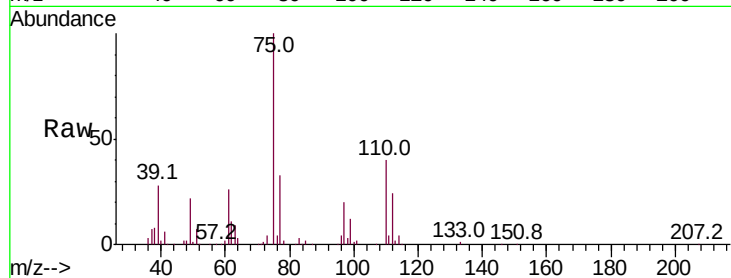
ClientSampled :

Tot Ion: 75 Resp: 75562

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8



#62

Bromoform

Concen: 25.918 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

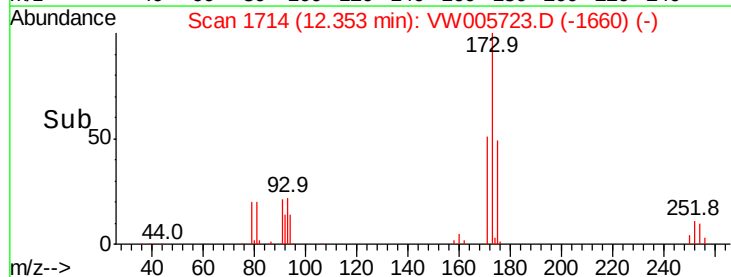
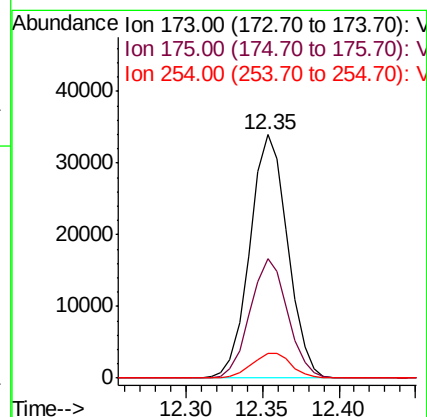
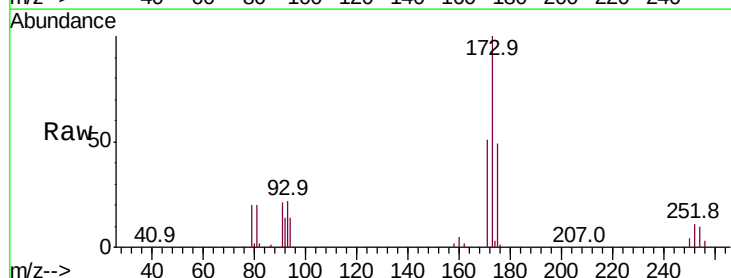
Tgt Ion:173 Resp: 58339

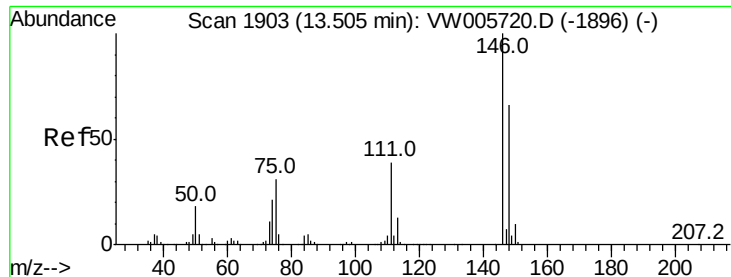
Ion Ratio Lower Upper

173 100

175 48.7 40.0 60.0

254 10.7 8.6 13.0

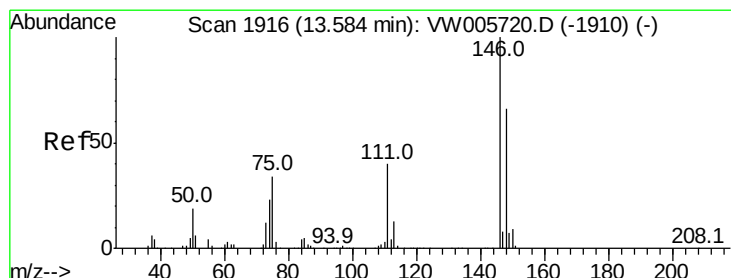
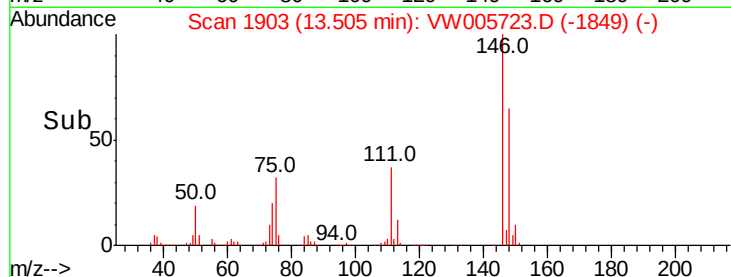
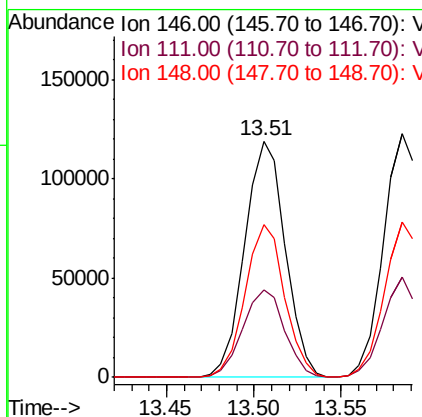
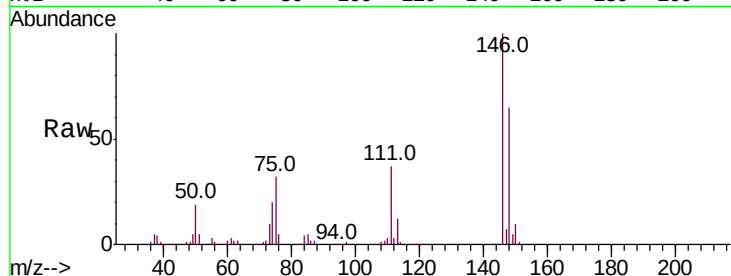




#63
 1,3-Dichlorobenzene
 Concen: 23.937 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

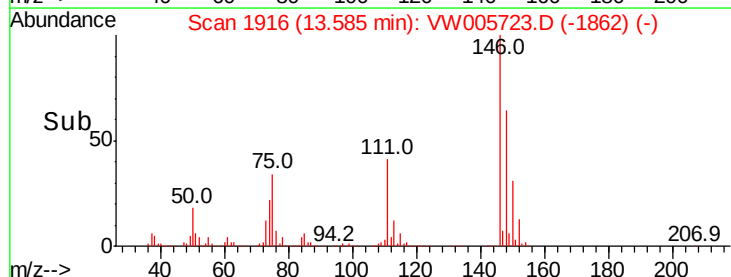
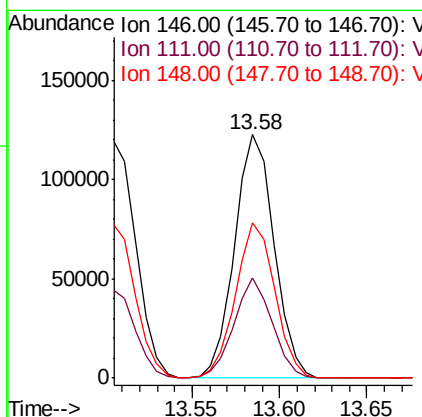
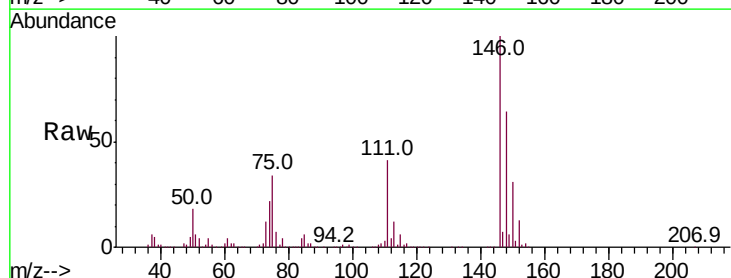
Instrument :
 MSVOA_W
 ClientSampleId :

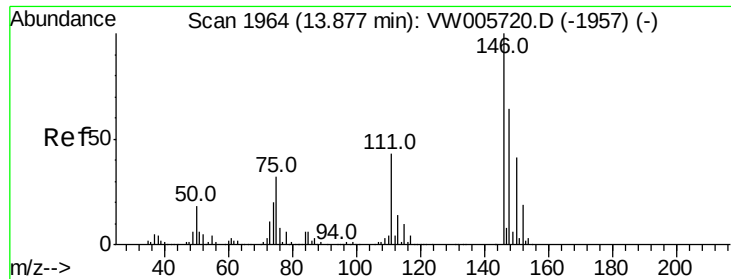
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.2	50.6
148	64.8	46.2	85.8



#64
 1,4-Dichlorobenzene
 Concen: 23.033 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.4	52.8
148	63.5	46.3	86.1

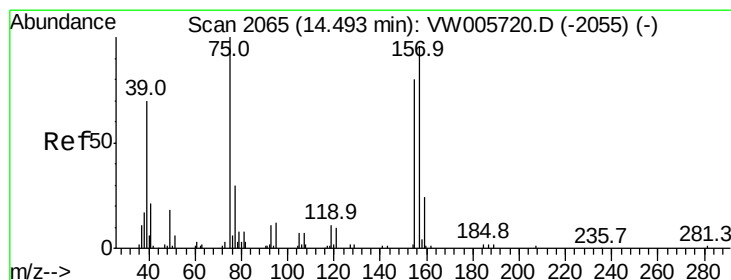
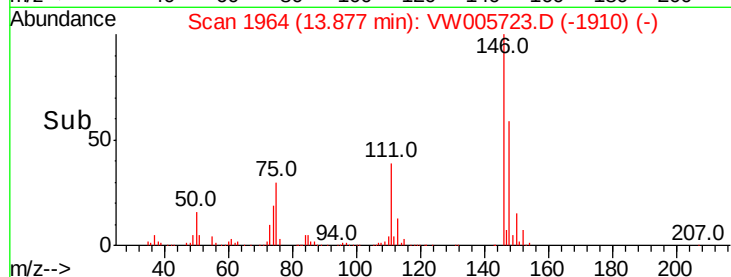
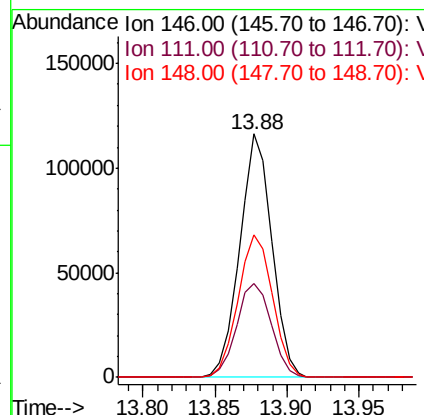
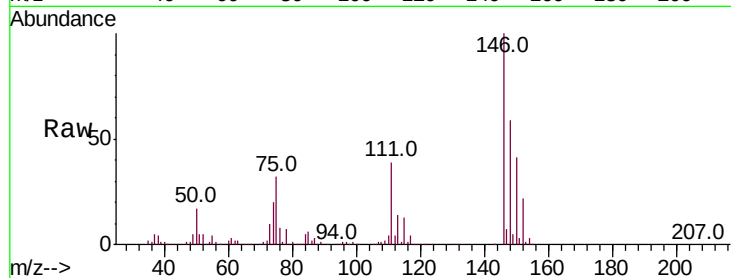




#65
 1,2-Dichlorobenzene
 Concen: 23.358 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

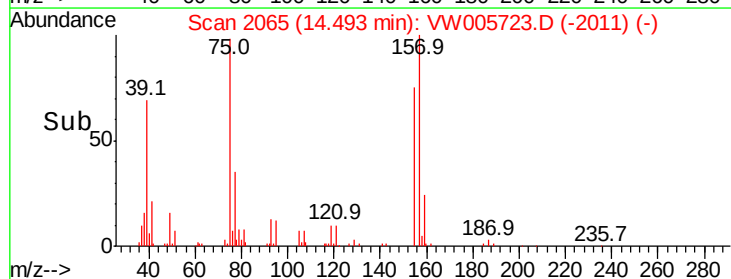
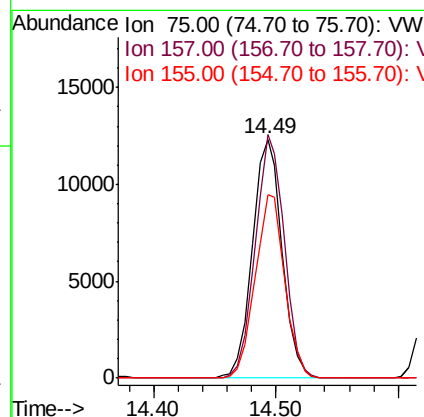
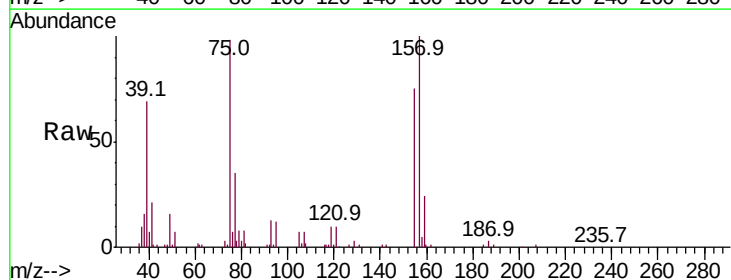
Instrument :
 MSVOA_W
 ClientSampleId :

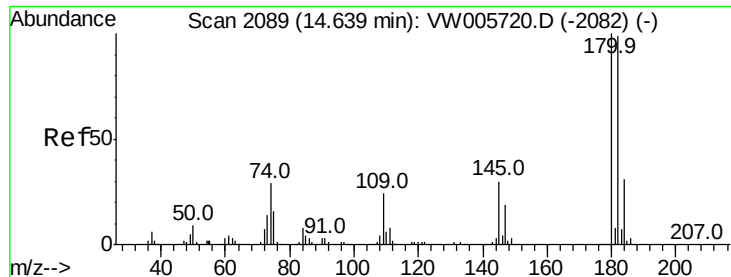
Tot Ion:146 Resp: 180708
 Ion Ratio Lower Upper
 146 100
 111 38.8 34.6 51.8
 148 58.7 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.145 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

Tgt Ion: 75 Resp: 20704
 Ion Ratio Lower Upper
 75 100
 157 102.0 76.9 115.3
 155 76.9 64.2 96.2

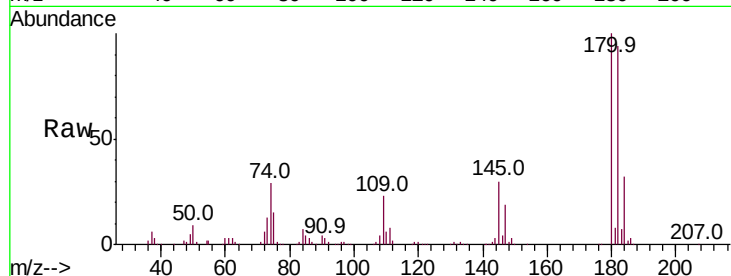




#67
 1,3,5-Trichlorobenzene
 Concen: 23.811 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.7	116.5
184	30.3	24.6	37.0
145	29.6	23.8	35.6



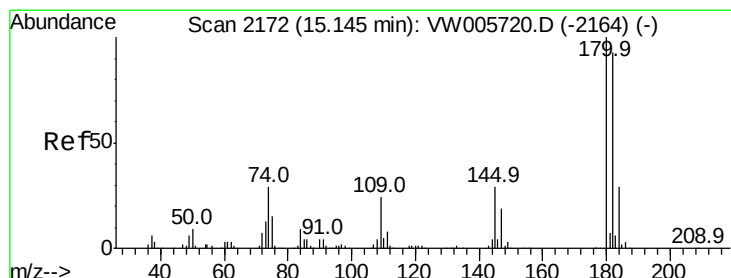
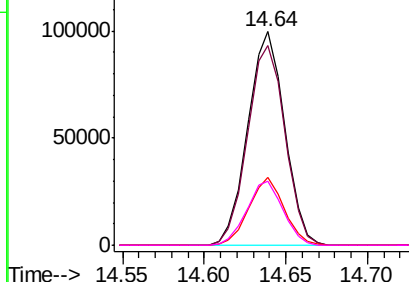
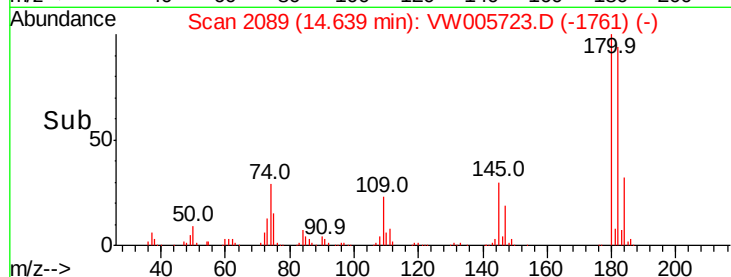
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

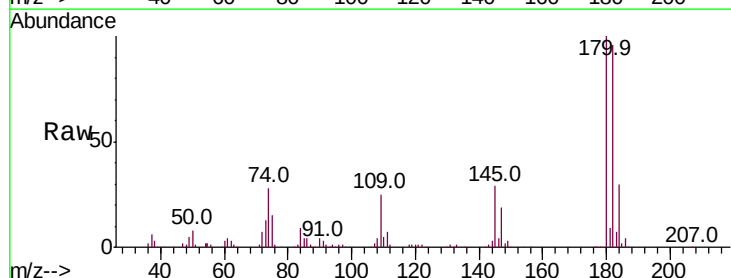
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.087 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005723.D
 Acq: 28 Sep 2018 16:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.6
145	29.9	23.8	35.6

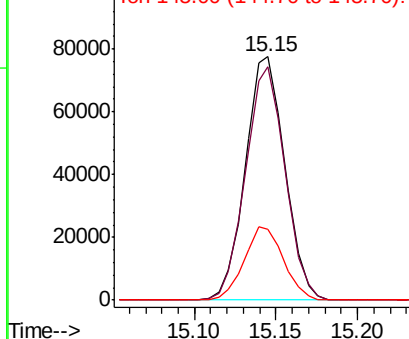
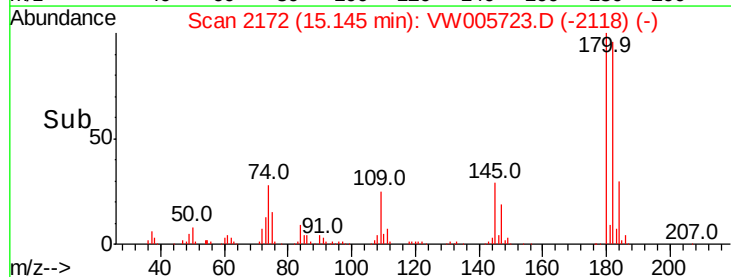


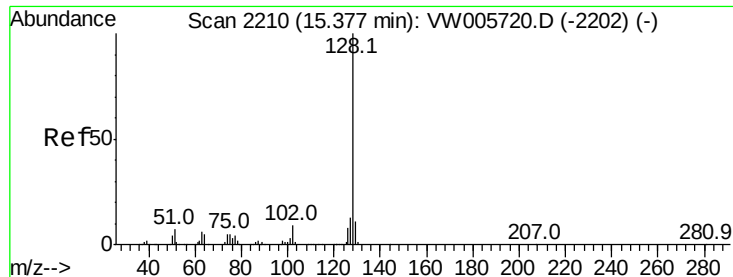
Abundance

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: 27.109 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

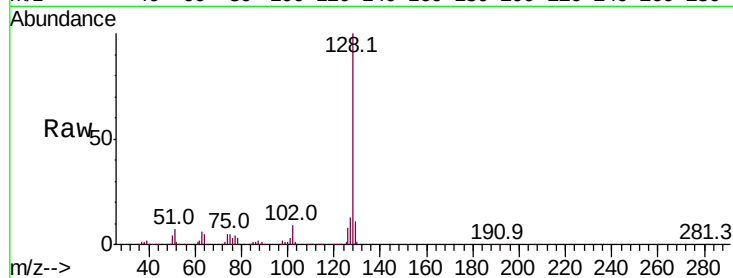
Tot Ion:128 Resp: 294456

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

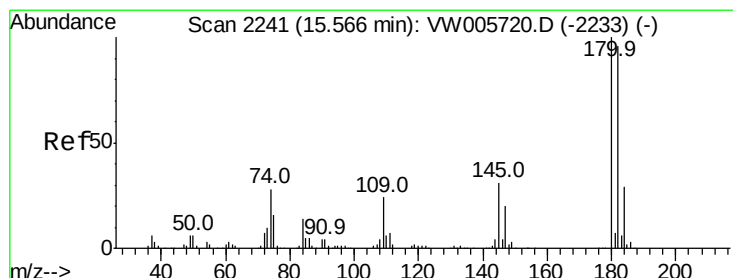
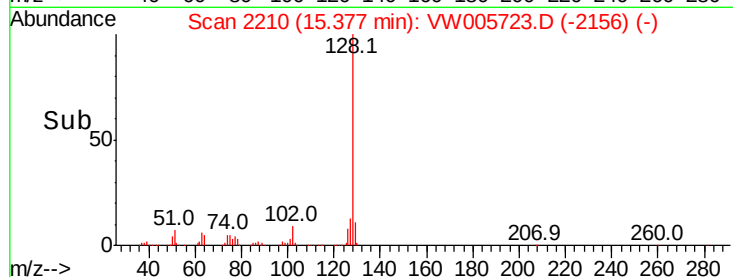
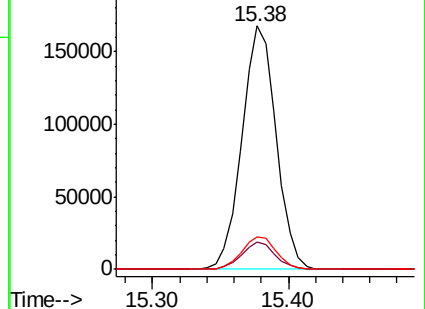
127 13.6 11.0 16.4



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: 24.424 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005723.D

Acq: 28 Sep 2018 16:11

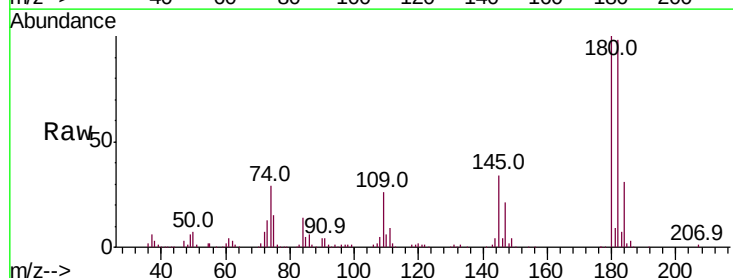
Tgt Ion:180 Resp: 124085

Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

145 32.6 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

