

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100918\
 Data File : VW005941.D
 Acq On : 09 Oct 2018 14:34
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 10 07:54:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 10 07:48:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	377928	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	350450	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	191822	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96370	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.44%
7) Chloroethane-d5	2.89	69	90635	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.84%
10) 1,1-Dichloroethene-d2	4.01	63	198572	24.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.04%
20) 2-Butanone-d5	7.09	46	70796	50.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.22%
24) Chloroform-d	7.65	84	205841	25.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.56%
26) 1,2-Dichloroethane-d4	8.31	65	116866	25.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.20%
29) Benzene-d6	8.27	84	405289	25.47	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.88%
33) 1,2-Dichloropropane-d6	9.27	67	121033	25.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.80%
37) Toluene-d8	10.33	98	402852	25.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.28%
38) trans-1,3-Dichloropropene-	10.58	79	59660	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.24%
39) 2-Hexanone-d5	10.93	63	61371	52.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122926	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	169969	25.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	98184	27.487	ug/L	97
3) Chloromethane	2.21	50	85996	24.515	ug/L	99
5) Vinyl chloride	2.37	62	139405	24.657	ug/L	98
6) Bromomethane	2.79	94	105221	23.901	ug/L	98
8) Chloroethane	2.93	64	86560	24.978	ug/L	99
9) Trichlorofluoromethane	3.26	101	106745	23.600	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	114677	25.359	ug/L	98
12) 1,1-Dichloroethene	4.03	96	107665	24.813	ug/L	91
13) Acetone	4.14	43	69572	48.745	ug/L	99
14) Carbon disulfide	4.37	76	349141	24.614	ug/L	99
15) Methyl Acetate	4.68	43	57523	24.882	ug/L	100
16) Methylene chloride	4.92	84	108625	22.262	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	172471	24.419	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	116076	24.163	ug/L	95
19) 1,1-Dichloroethane	6.21	63	188658	24.268	ug/L	99
21) 2-Butanone	7.18	43	89604	47.247	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	125981	24.042	ug/L	98

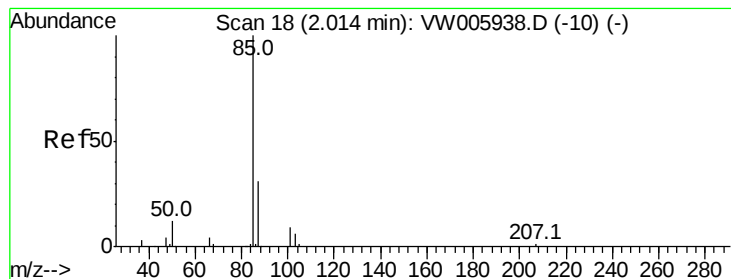
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100918\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 10 07:48:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59016	23.945	ug/L	92
25) Chloroform	7.68	83	203014	24.261	ug/L	100
27) 1,2-Dichloroethane	8.40	62	139019	24.373	ug/L	97
30) Cyclohexane	7.96	56	189080	24.548	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	181186	24.707	ug/L	98
32) Carbon tetrachloride	8.07	117	178299	24.792	ug/L	100
34) Benzene	8.32	78	439758	24.444	ug/L	100
35) Trichloroethene	9.09	95	124622	24.620	ug/L	99
36) Methylcyclohexane	9.34	83	227361	24.515	ug/L	100
40) 1,2-Dichloropropane	9.37	63	109158	24.459	ug/L	100
41) Bromodichloromethane	9.65	83	148693	24.673	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	179019	24.559	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	172235	48.162	ug/L	99
44) Toluene	10.39	91	492262	24.369	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	158859	24.950	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91091	24.511	ug/L	97
47) Tetrachloroethene	10.87	164	115096	24.564	ug/L	96
49) 2-Hexanone	10.97	43	133874	50.795	ug/L	100
50) Dibromochloromethane	11.13	129	117530	24.673	ug/L	98
51) 1,2-Dibromoethane	11.24	107	96104	24.843	ug/L	99
52) Chlorobenzene	11.66	112	330891	24.205	ug/L	99
53) Ethylbenzene	11.73	91	573521	24.387	ug/L	100
54) m,p-Xylene	11.84	106	225517	24.464	ug/L	99
55) o-xylene	12.17	106	216170	24.560	ug/L	99
56) Styrene	12.18	104	369958	24.408	ug/L	98
57) Isopropylbenzene	12.47	105	595967	24.335	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	120841	25.021	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	90177	25.026	ug/L	100
62) Bromoform	12.35	173	81053	25.218	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	288817	24.518	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	287700	24.253	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	267747	24.707	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22406	25.687	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	234671	24.714	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	203404	25.122	ug/L	100
69) Naphthalene	15.38	128	423176	25.814	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	183941	25.287	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 27.487 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

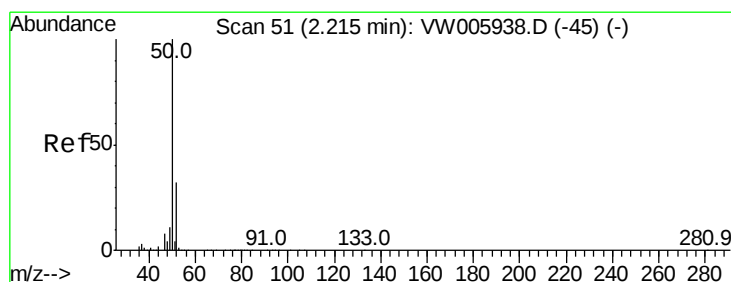
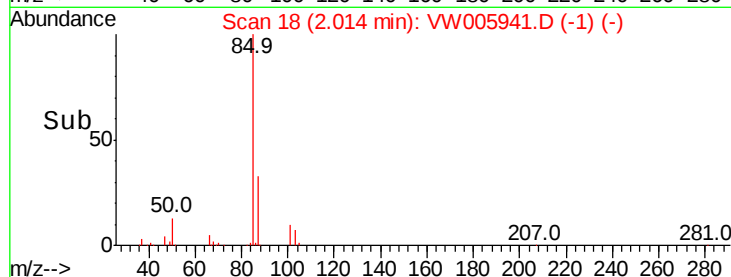
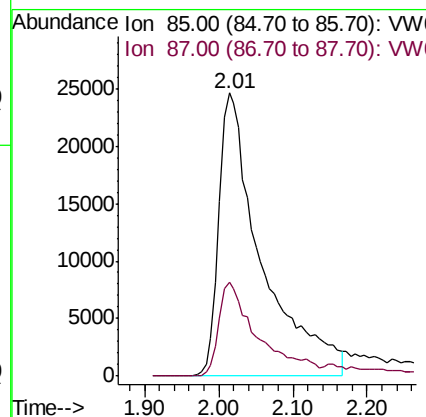
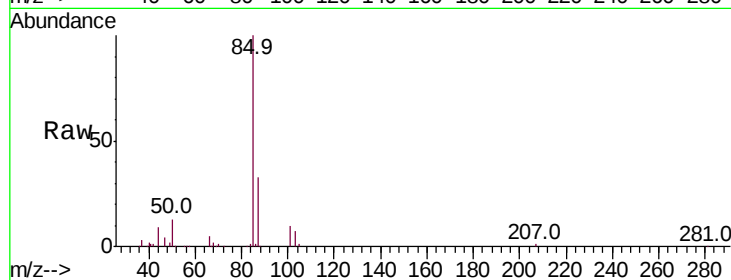
ClientSampled :

Tot Ion: 85 Resp: 98184

Ion Ratio Lower Upper

85 100

87 28.9 19.2 35.6



#3

Chloromethane

Concen: 24.515 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005941.D

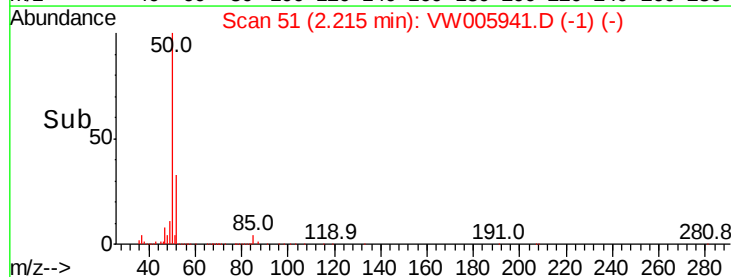
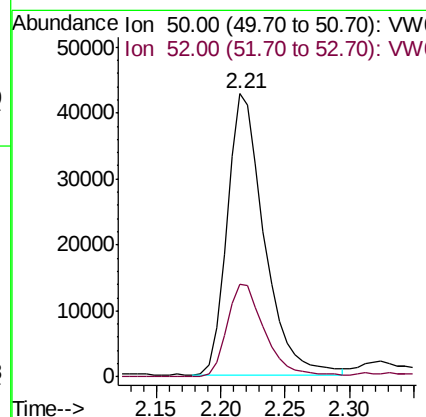
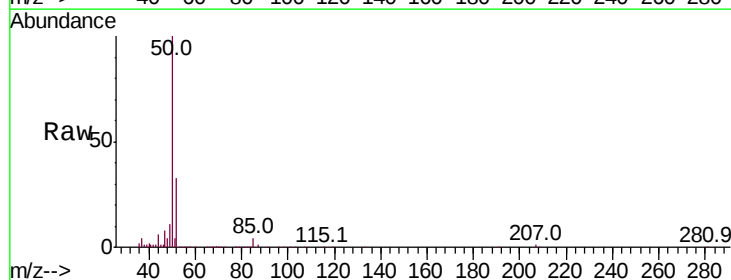
Acq: 09 Oct 2018 14:34

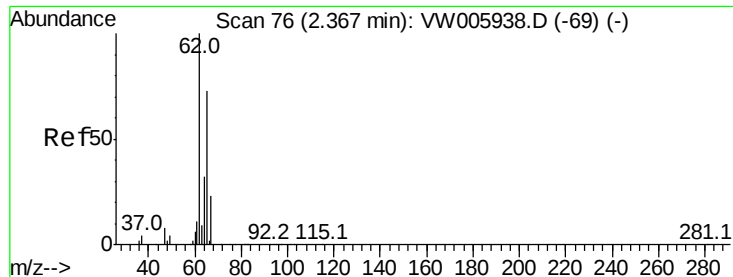
Tgt Ion: 50 Resp: 85996

Ion Ratio Lower Upper

50 100

52 32.6 22.3 41.3





#5

Vinyl chloride

Concen: 24.657 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

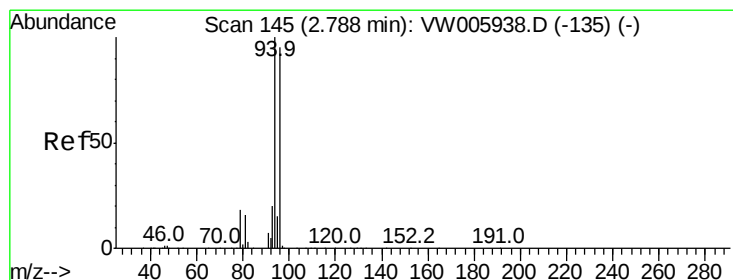
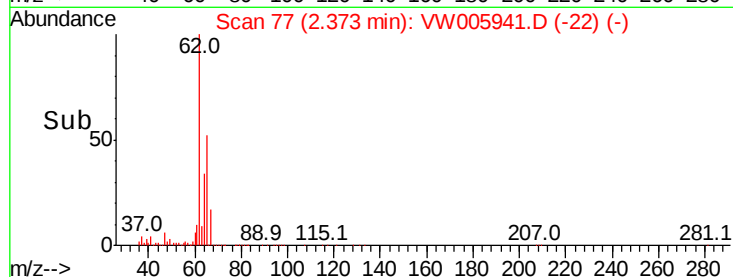
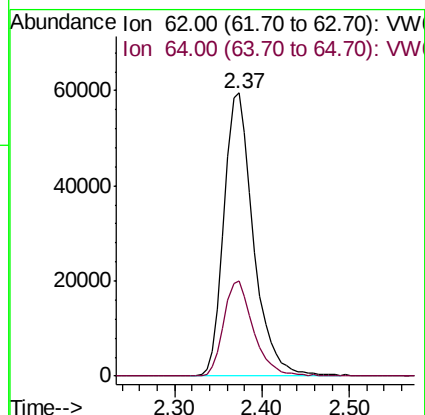
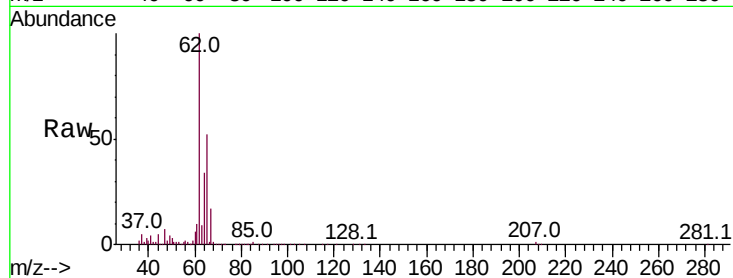
ClientSampleId :

Tot Ion: 62 Resp: 139405

Ion Ratio Lower Upper

62 100

64 33.7 22.7 42.3



#6

Bromomethane

Concen: 23.901 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW005941.D

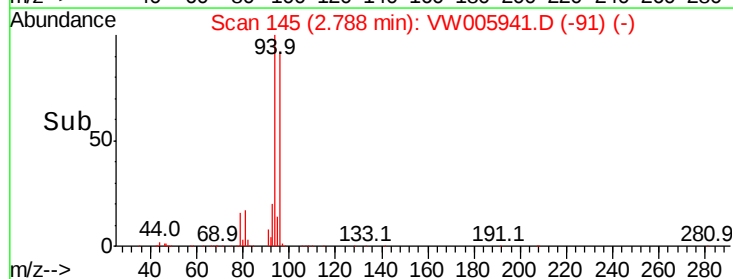
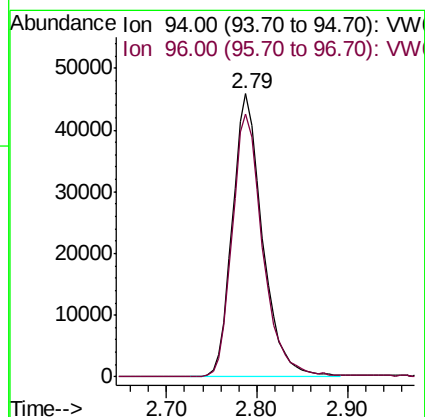
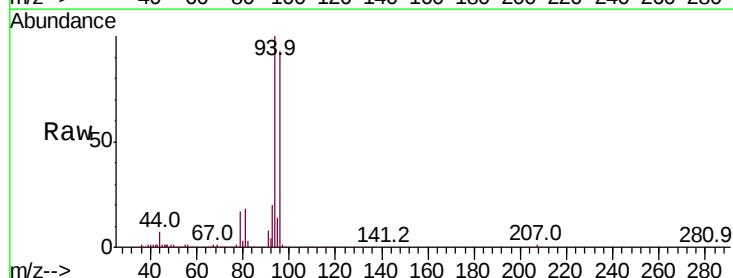
Acq: 09 Oct 2018 14:34

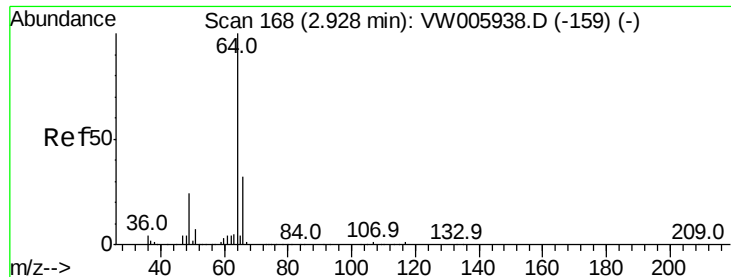
Tgt Ion: 94 Resp: 105221

Ion Ratio Lower Upper

94 100

96 93.4 9.5 181.3





#8

Chloroethane

Concen: 24.978 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

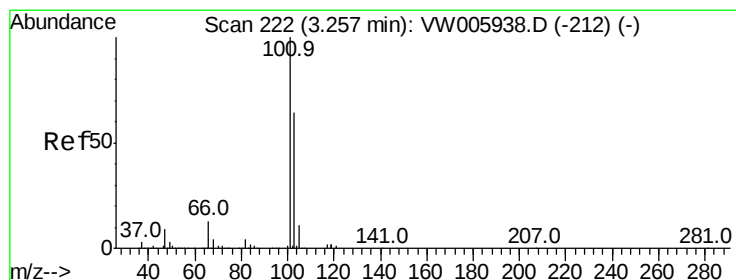
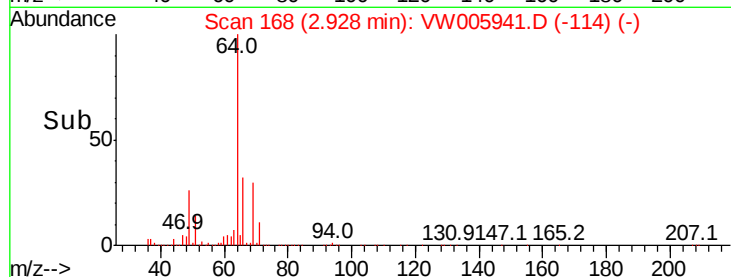
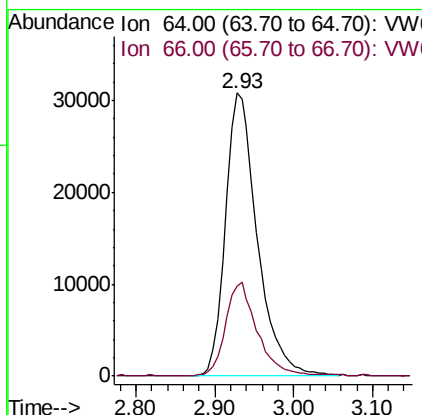
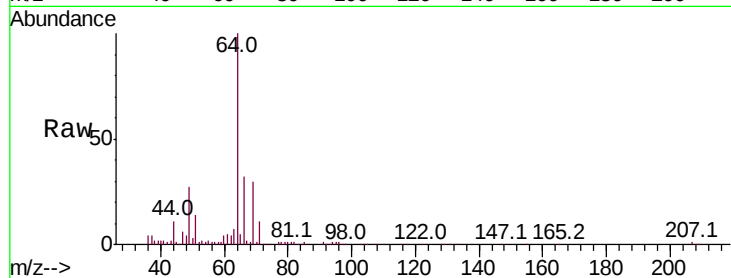
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 64 Resp: 86560

Ion Ratio Lower Upper

64 100

66 31.6 22.7 42.1



#9

Trichlorofluoromethane

Concen: 23.600 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW005941.D

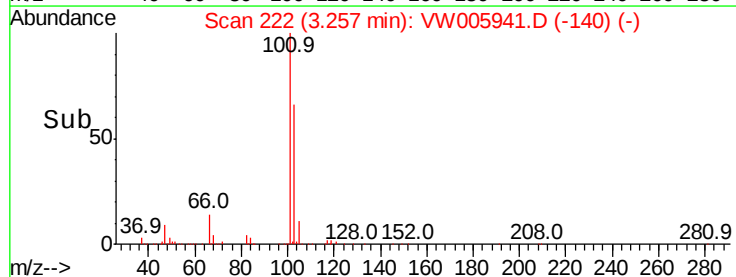
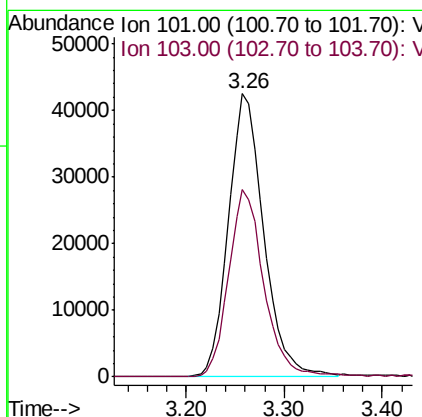
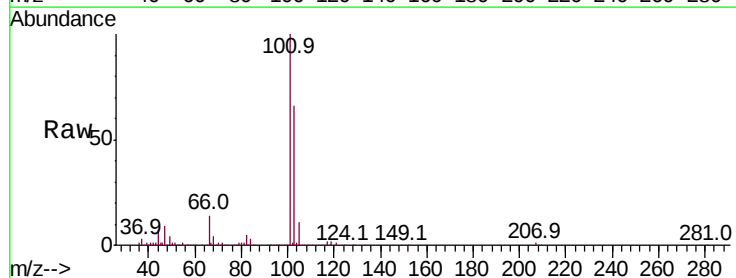
Acq: 09 Oct 2018 14:34

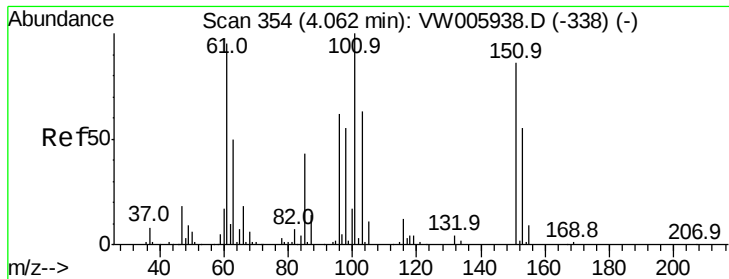
Tgt Ion: 101 Resp: 106745

Ion Ratio Lower Upper

101 100

103 66.0 45.6 84.6





#11

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

Concen: 25.359 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

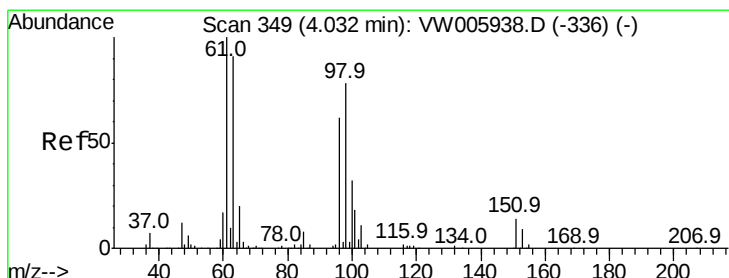
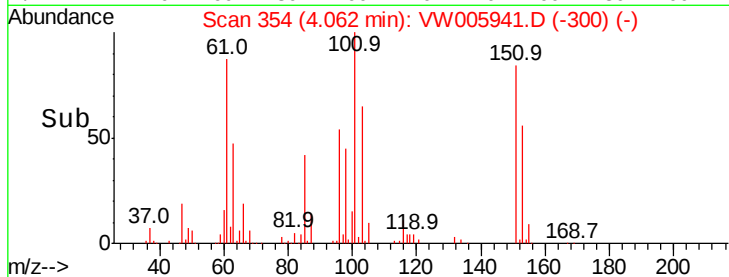
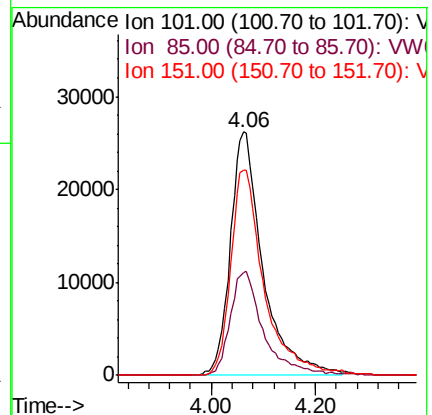
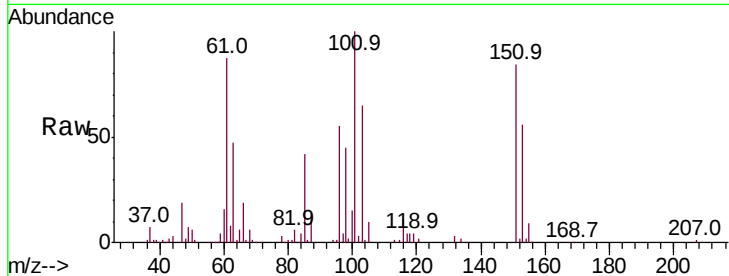
Tot Ion:101 Resp: 114677

Ion Ratio Lower Upper

101 100

85 39.4 33.4 50.2

151 84.8 68.7 103.1



#12

1,1-Dichloroethene

Concen: 24.813 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

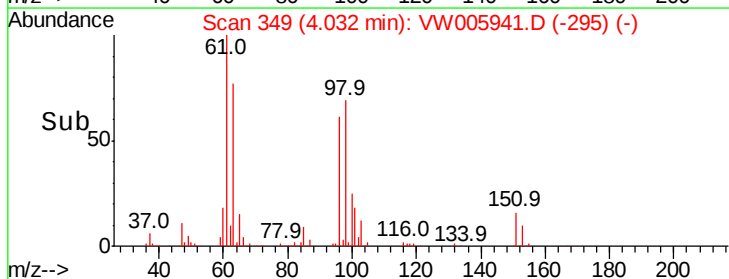
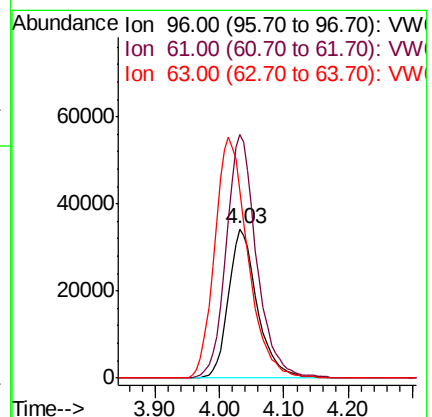
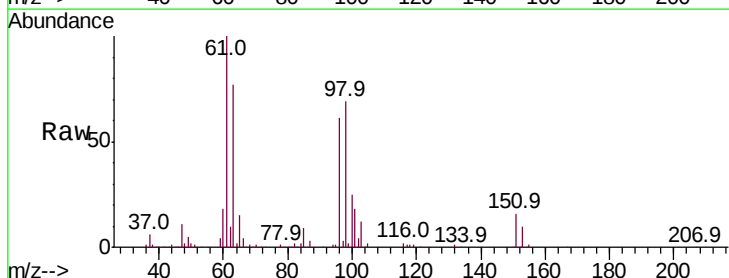
Tgt Ion: 96 Resp: 107665

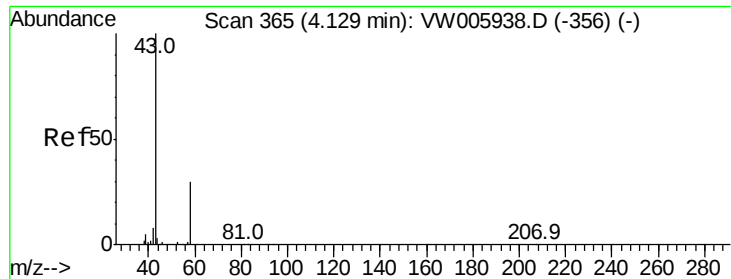
Ion Ratio Lower Upper

96 100

61 163.5 112.3 208.7

63 125.4 102.6 190.6





#13

Acetone

Concen: 48.745 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

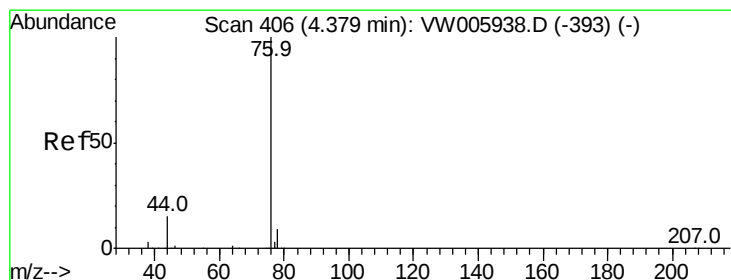
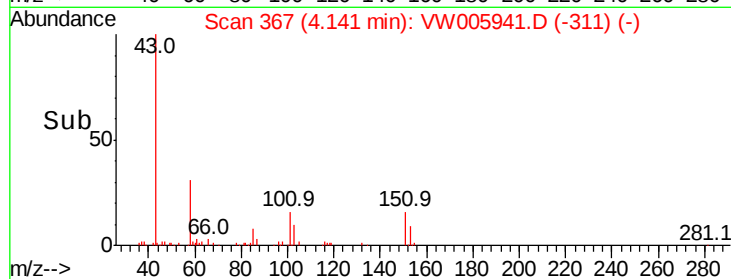
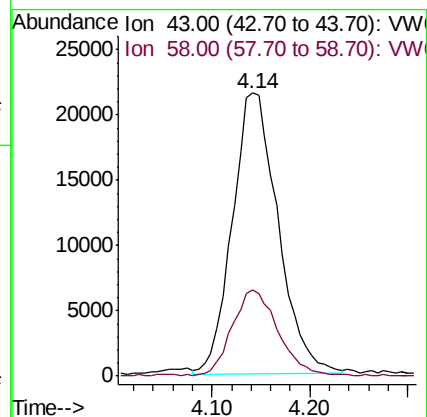
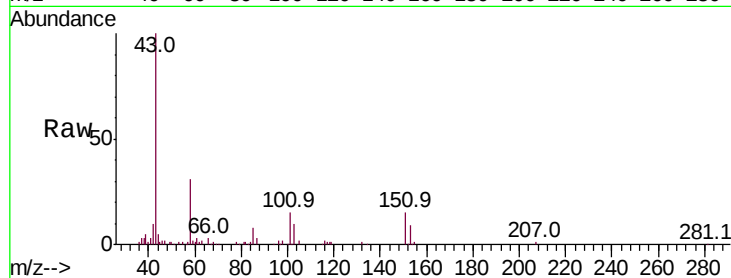
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 69572

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.2



#14

Carbon disulfide

Concen: 24.614 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005941.D

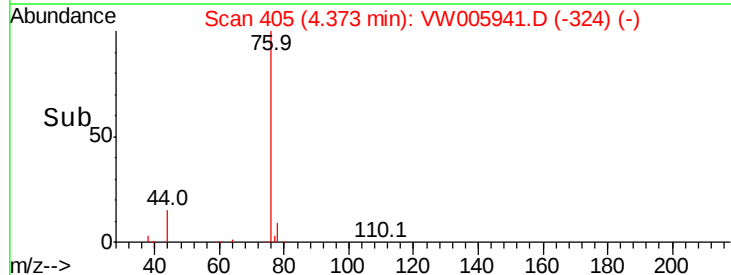
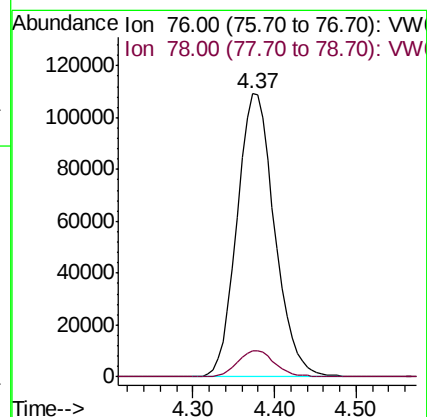
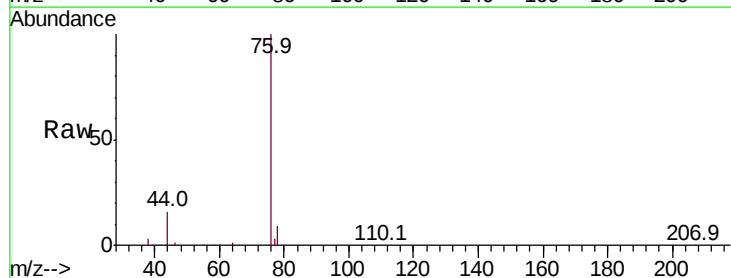
Acq: 09 Oct 2018 14:34

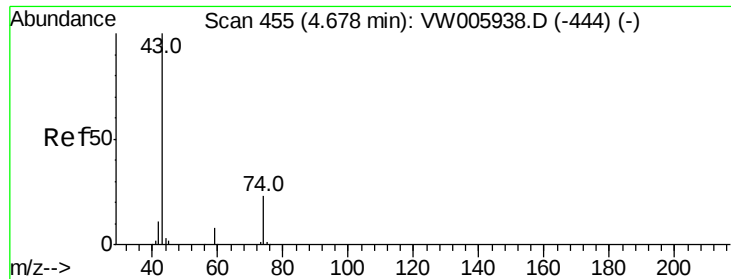
Tgt Ion: 76 Resp: 349141

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

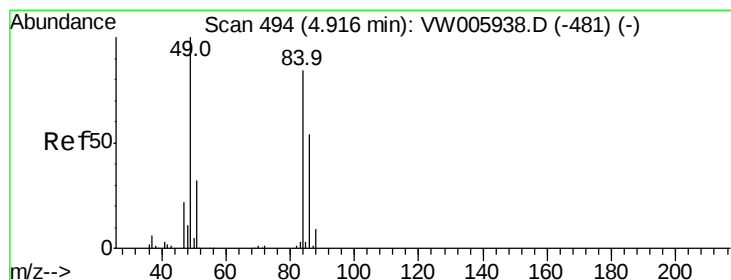
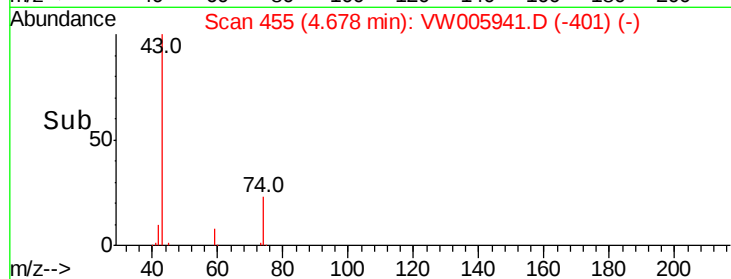
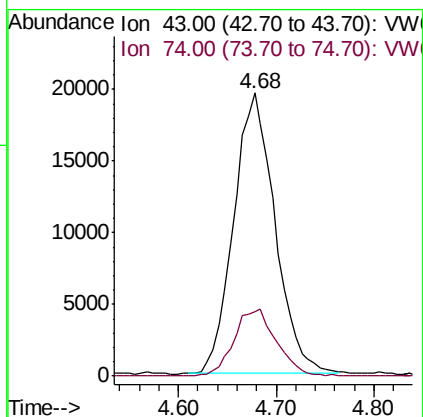
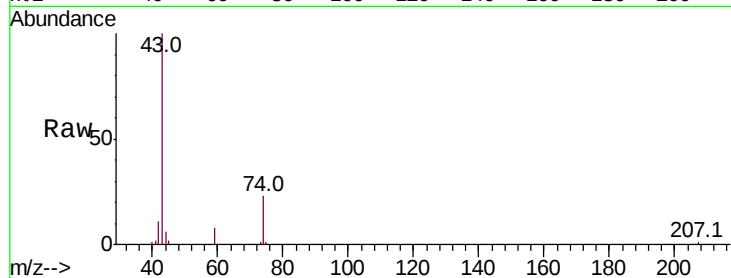




#15
Methvl Acetate
Concen: 24.882 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

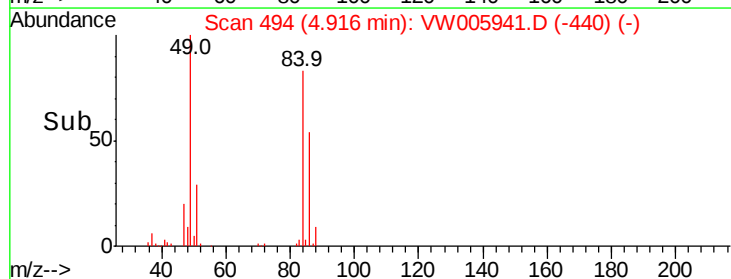
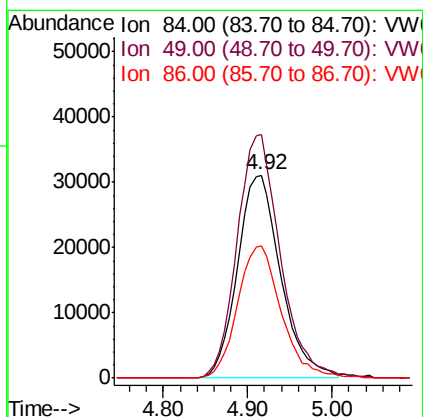
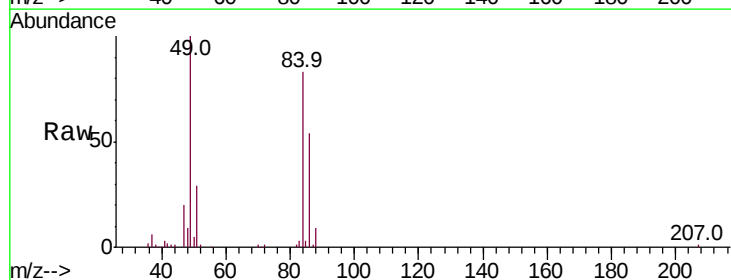
Instrument :
MSVOA_W
ClientSampled :

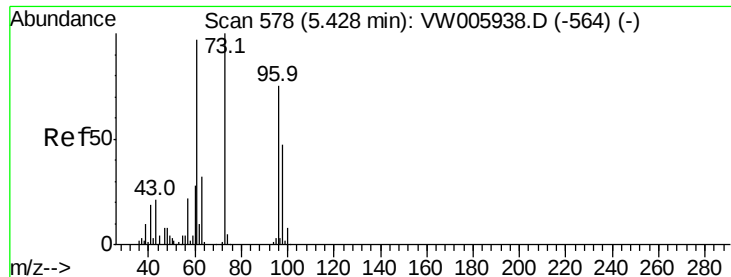
Tot Ion: 43 Resp: 57523
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2



#16
Methylene chloride
Concen: 22.262 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

Tgt Ion: 84 Resp: 108625
Ion Ratio Lower Upper
84 100
49 119.9 83.5 155.1
86 65.2 44.9 83.5

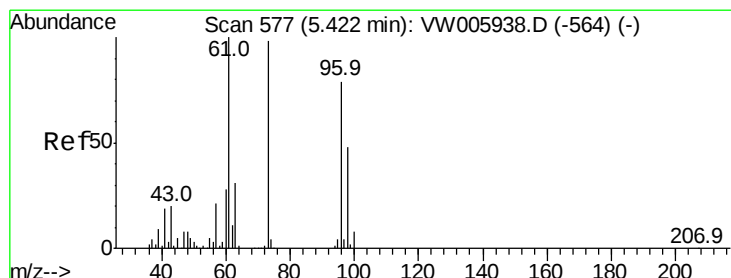
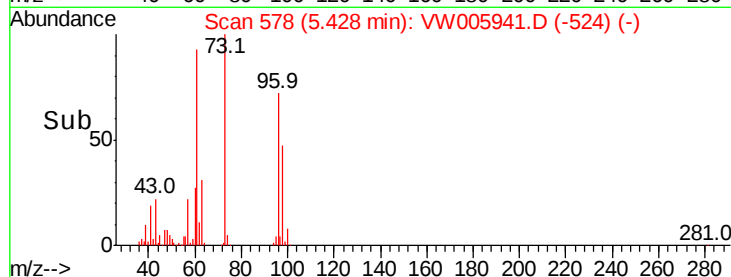
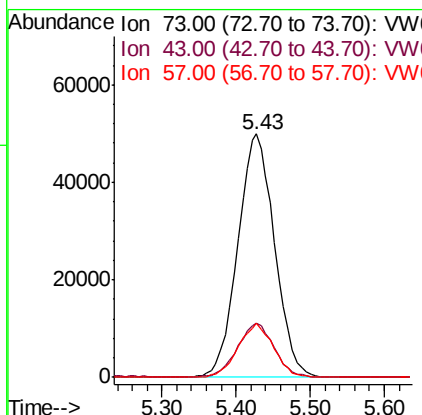
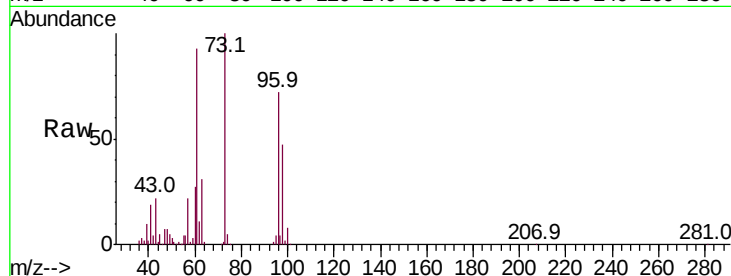




#17
Methvl tert-butvl Ether
Concen: 24.419 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

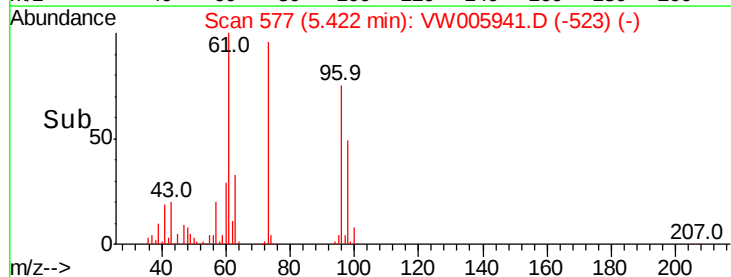
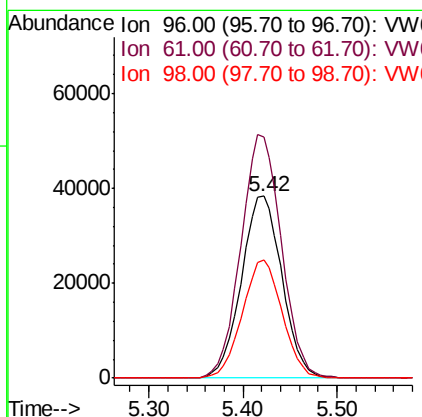
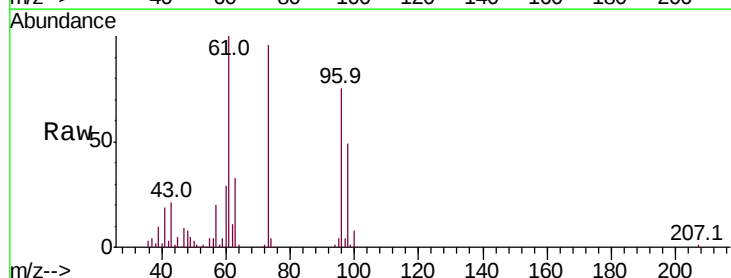
Instrument :
MSVOA_W
ClientSampleId :

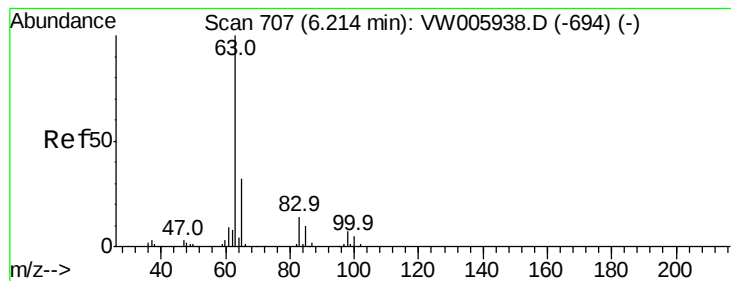
Tot Ion: 73 Resp: 172471
Ion Ratio Lower Upper
73 100
43 21.7 17.0 25.4
57 21.5 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 24.163 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

Tgt Ion: 96 Resp: 116076
Ion Ratio Lower Upper
96 100
61 132.7 89.0 165.2
98 65.2 42.4 78.6





#19

1,1-Dichloroethane

Concen: 24.268 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampled :

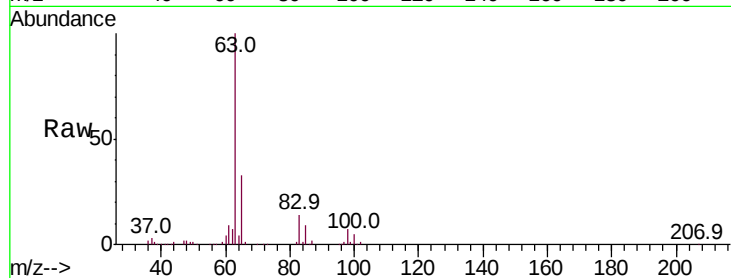
Tot Ion: 63 Resp: 188658

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

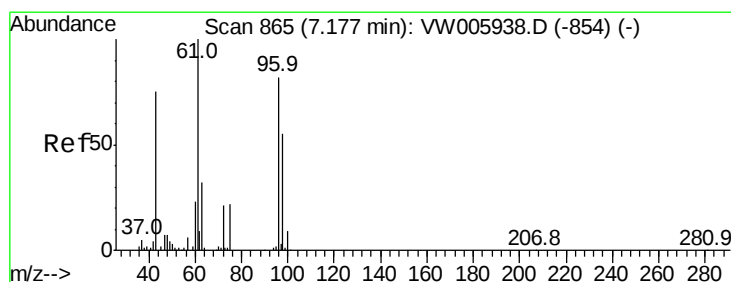
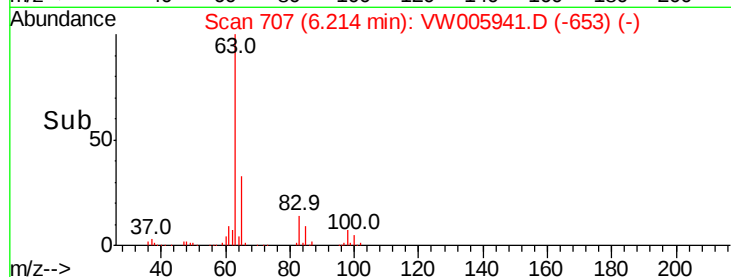
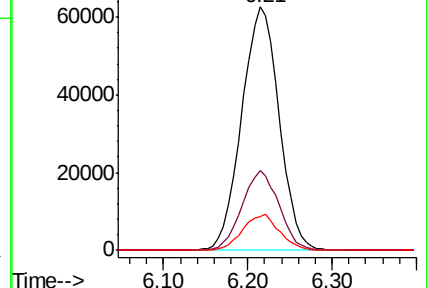
83 14.1 9.7 18.1



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: 47.247 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005941.D

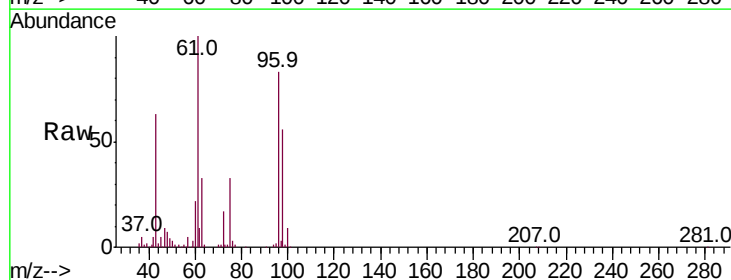
Acq: 09 Oct 2018 14:34

Tgt Ion: 43 Resp: 89604

Ion Ratio Lower Upper

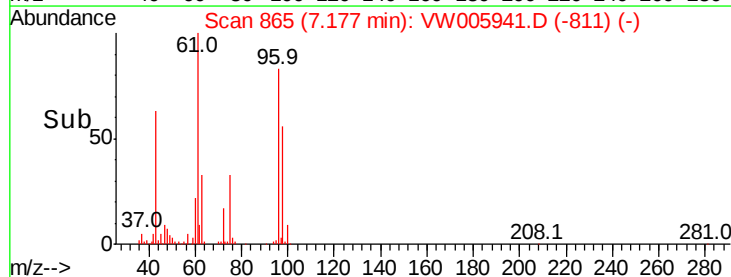
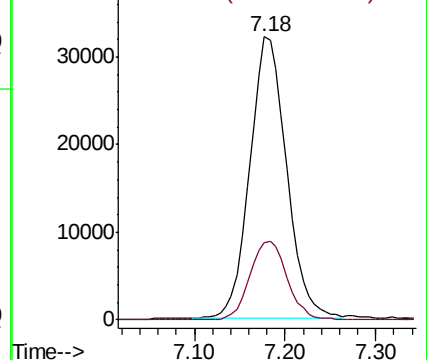
43 100

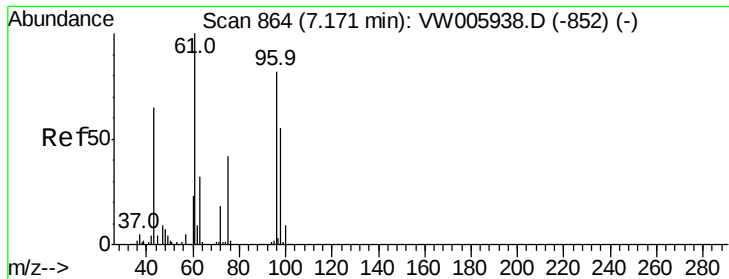
72 28.6 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



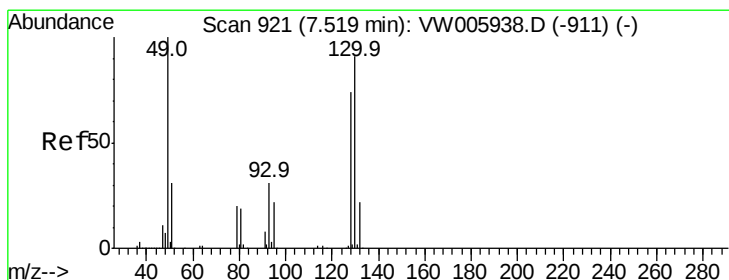
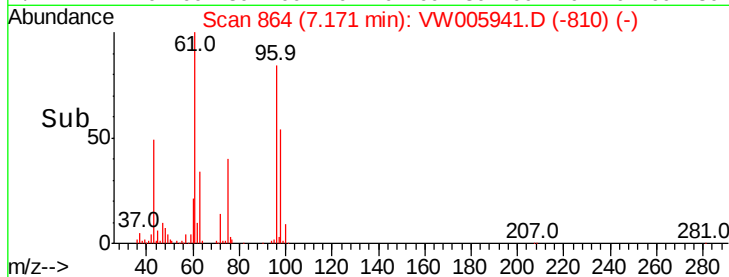
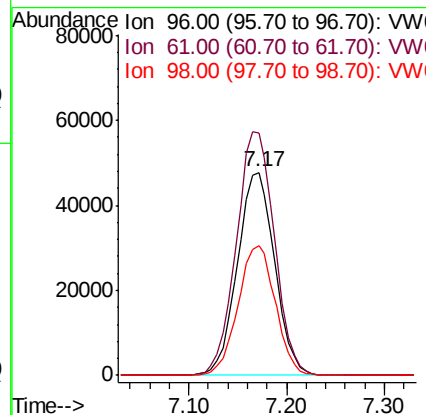
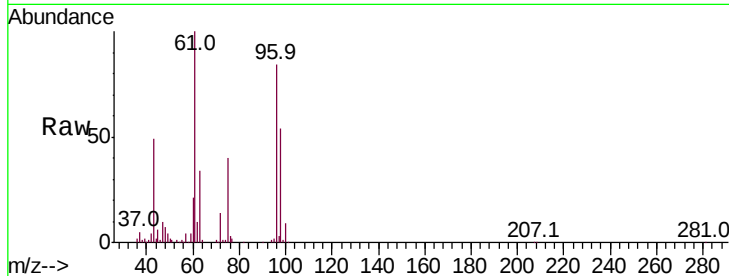


#22

cis-1,2-Dichloroethene
 Concen: 24.042 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Instrument :
 MSVOA_W
 ClientSampleId :

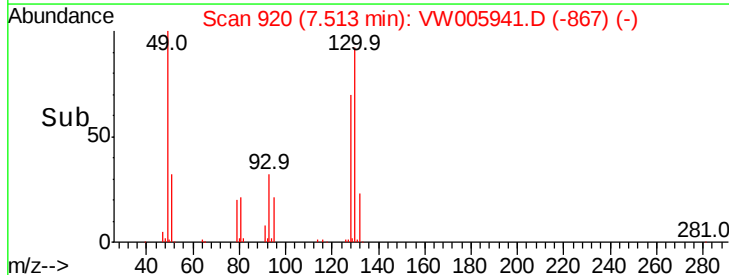
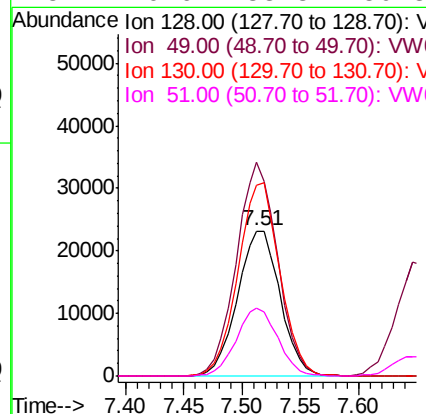
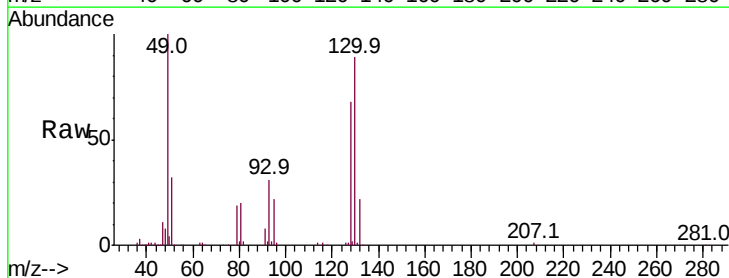
Tot Ion: 96 Resp: 125981
 Ion Ratio Lower Upper
 96 100
 61 119.5 85.1 158.1
 98 64.2 46.3 86.1

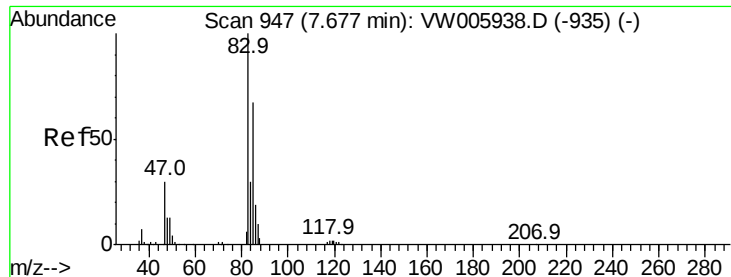


#23

Bromochloromethane
 Concen: 23.945 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Tgt Ion: 128 Resp: 59016
 Ion Ratio Lower Upper
 128 100
 49 147.2 95.2 176.8
 130 131.7 86.3 160.3
 51 46.6 33.8 50.8





#25

Chloroform

Concen: 24.261 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

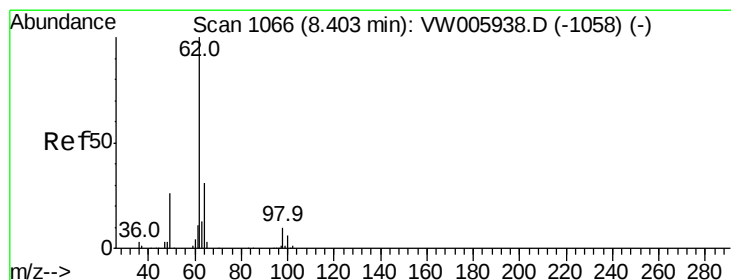
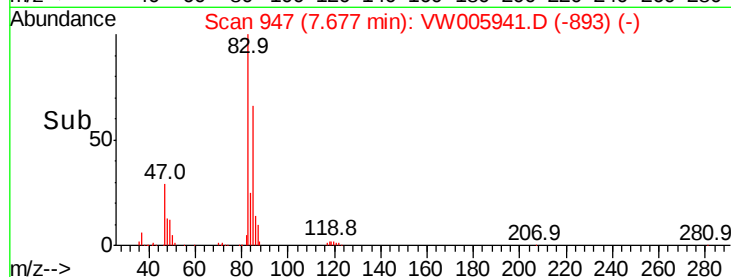
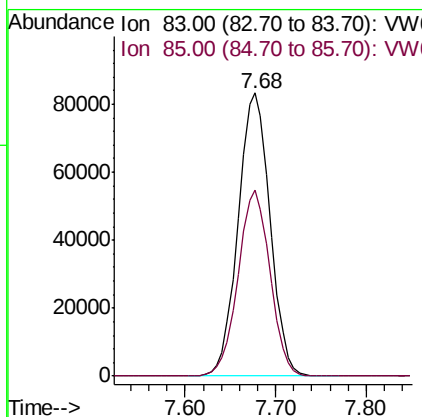
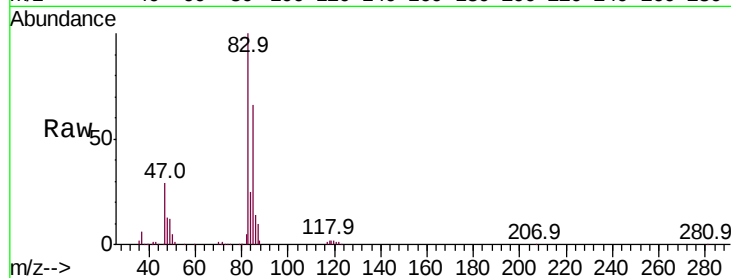
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 203014

Ion Ratio Lower Upper

83 100

85 65.8 46.3 85.9



#27

1,2-Dichloroethane

Concen: 24.373 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005941.D

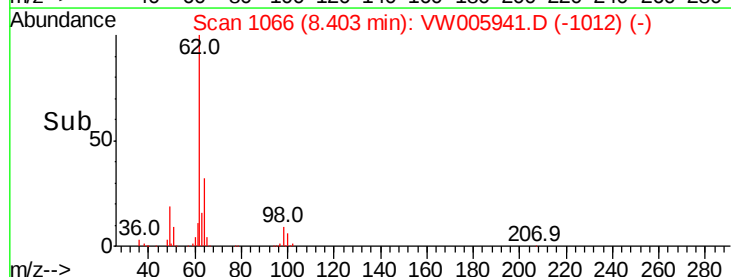
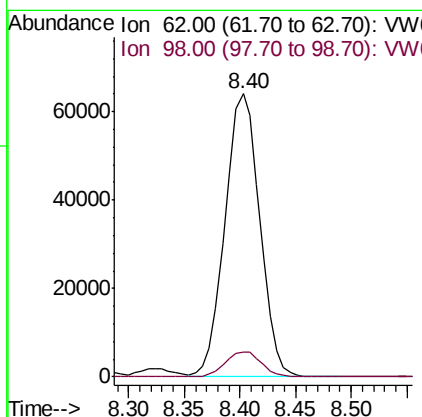
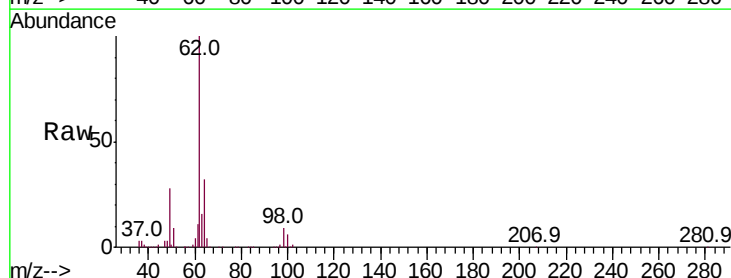
Acq: 09 Oct 2018 14:34

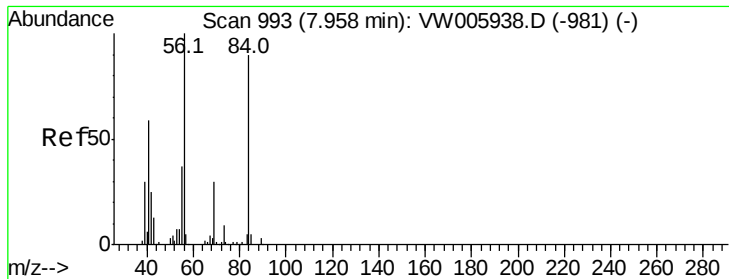
Tgt Ion: 62 Resp: 139019

Ion Ratio Lower Upper

62 100

98 8.9 8.0 12.0

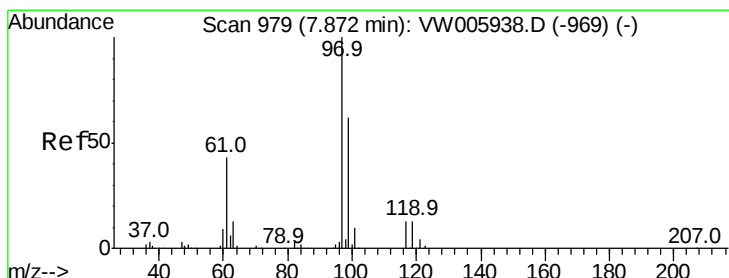
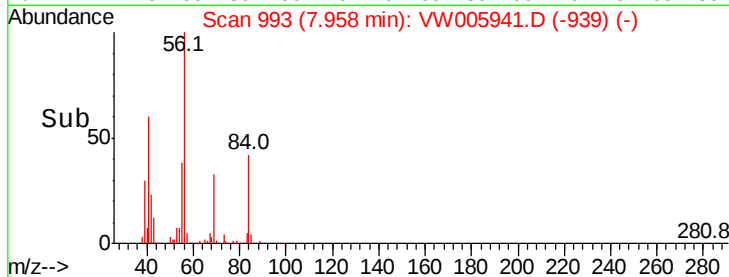
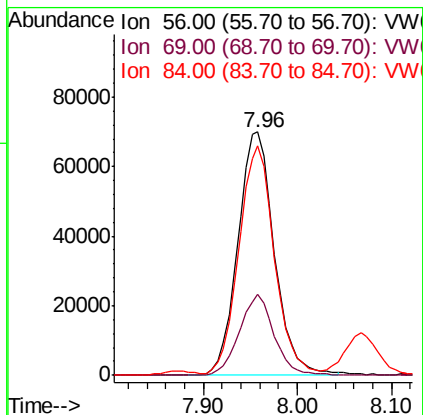
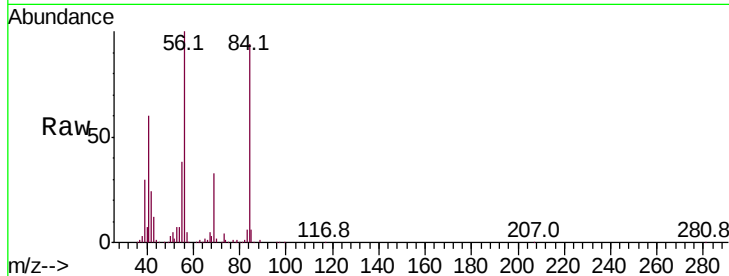




#30
Cyclohexane
Concen: 24.548 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

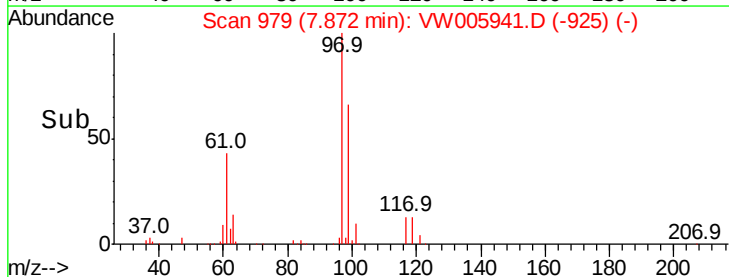
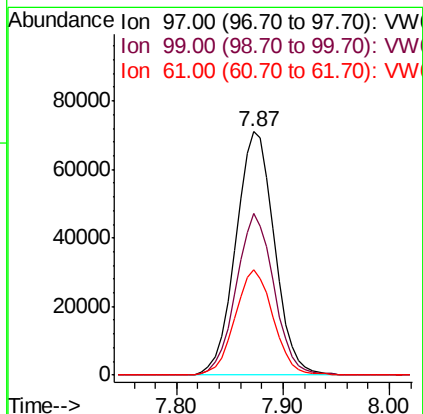
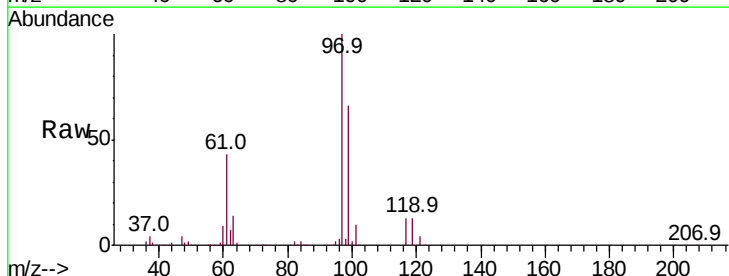
Instrument :
MSVOA_W
ClientSampleId :

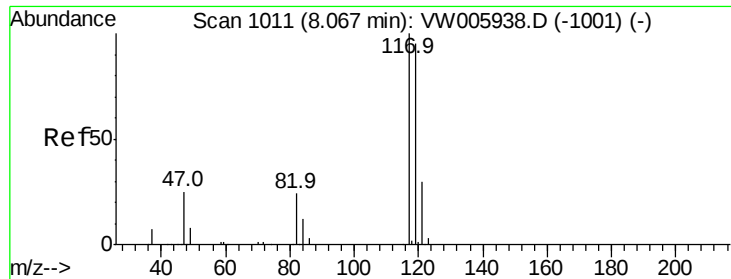
Tot Ion: 56 Resp: 189080
Ion Ratio Lower Upper
56 100
69 31.6 25.4 38.0
84 92.4 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 24.707 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

Tgt Ion: 97 Resp: 181186
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.4
61 42.9 33.6 50.4





#32

Carbon tetrachloride

Concen: 24.792 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

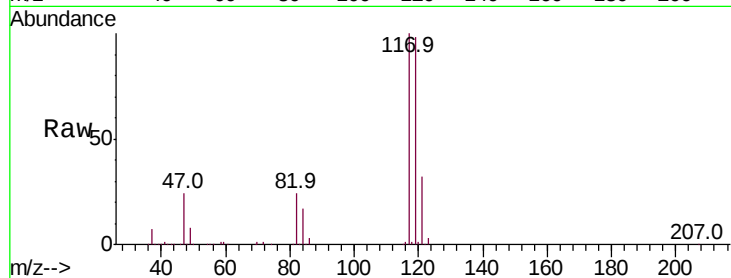
ClientSampleId :

Tot Ion:117 Resp: 178299

Ion Ratio Lower Upper

117 100

119 96.6 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

80000

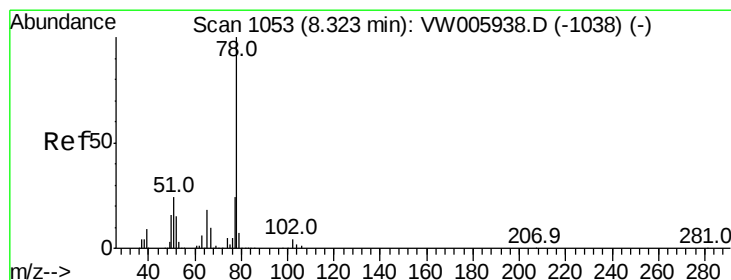
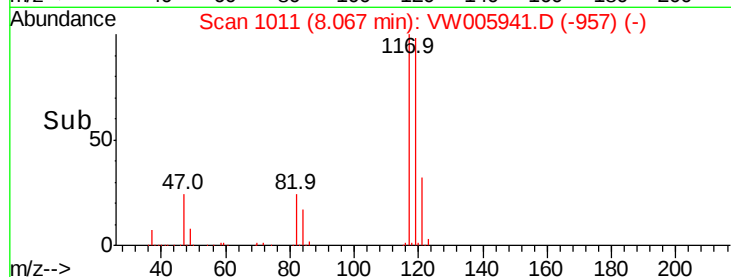
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 24.444 ug/L

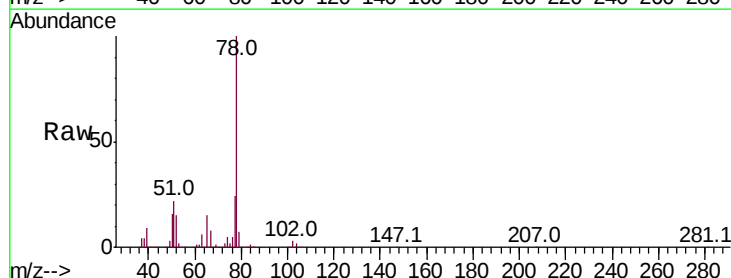
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Tgt Ion: 78 Resp: 439758



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

200000

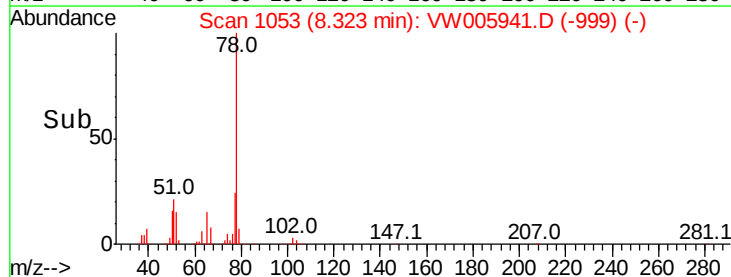
150000

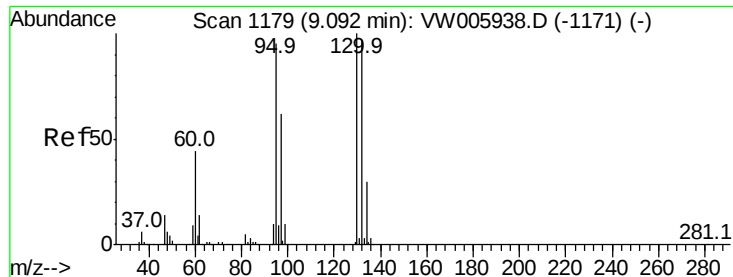
100000

50000

0

Time-->





#35

Trichloroethene

Concen: 24.620 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 124622

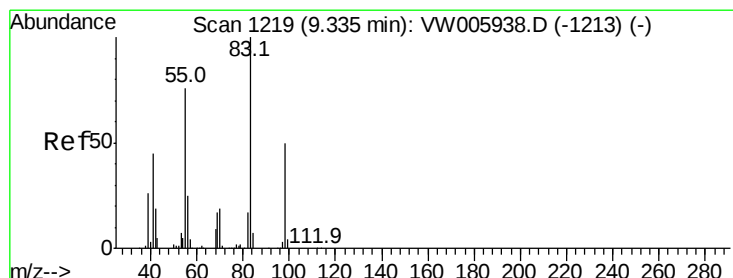
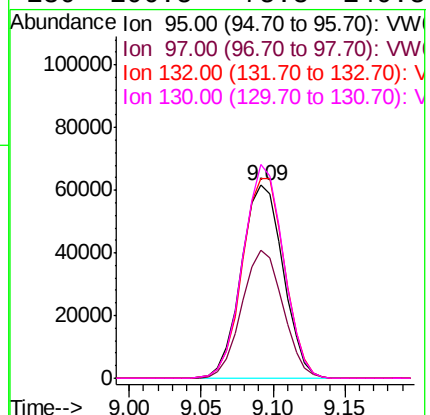
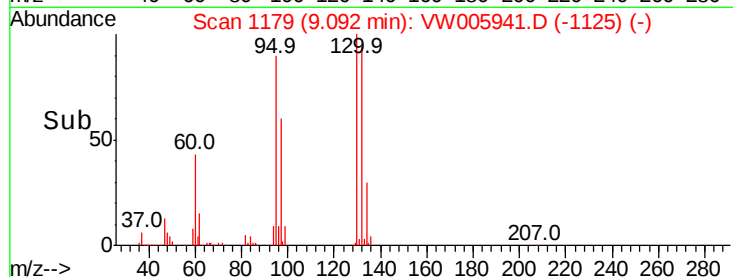
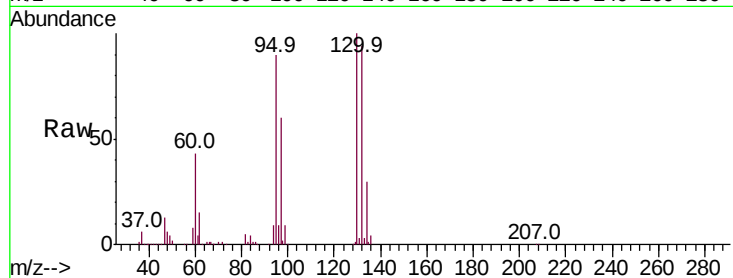
Ion Ratio Lower Upper

95 100

97 64.8 45.8 85.0

132 103.9 72.9 135.3

130 106.5 75.8 140.8



#36

Methylcyclohexane

Concen: 24.515 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

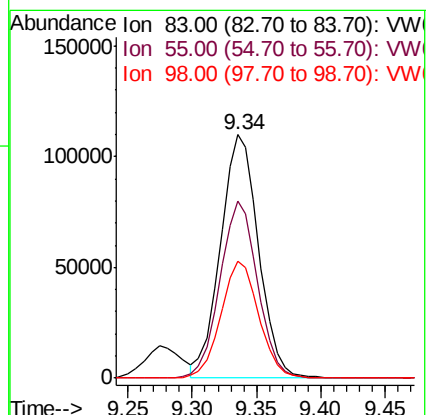
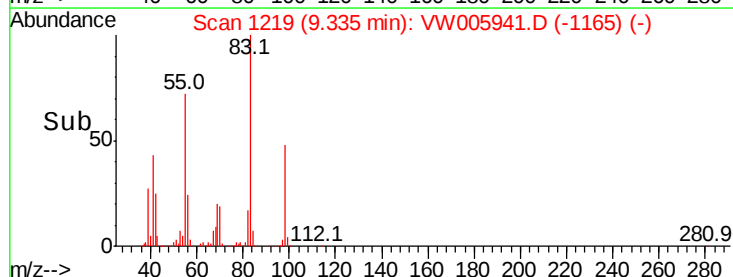
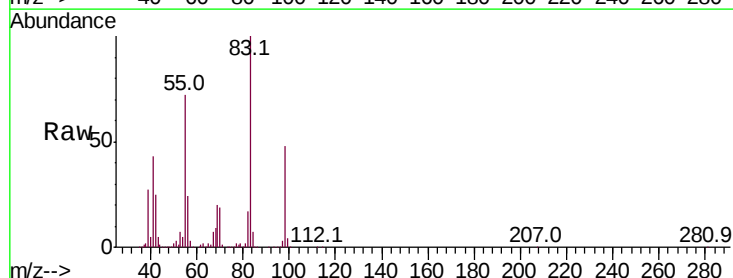
Tgt Ion: 83 Resp: 227361

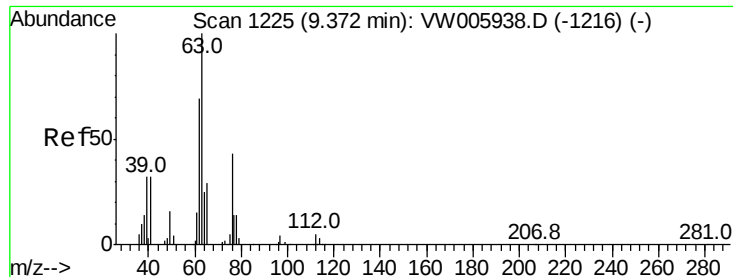
Ion Ratio Lower Upper

83 100

55 71.4 57.1 85.7

98 47.9 38.9 58.3

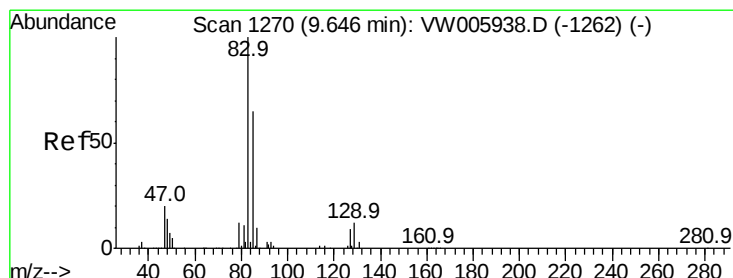
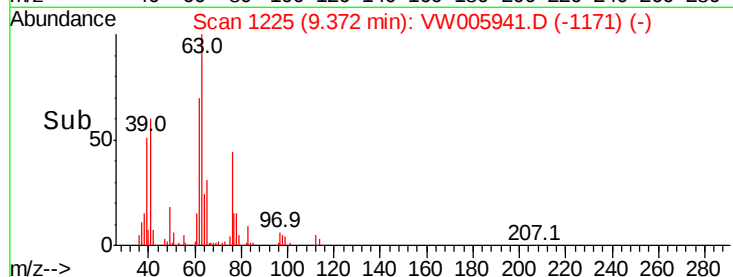
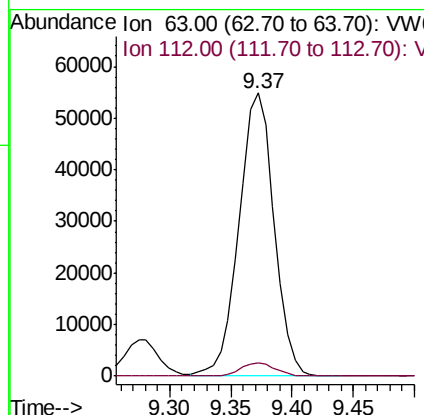
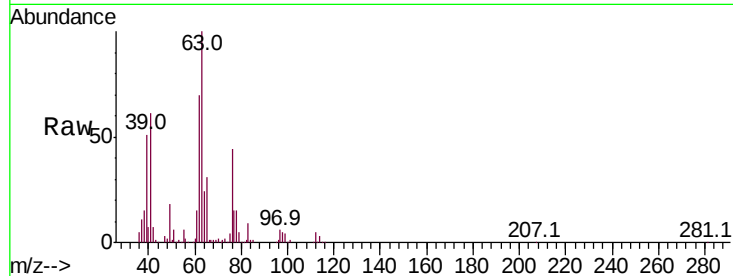




#40
 1,2-Dichloropropane
 Concen: 24.459 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

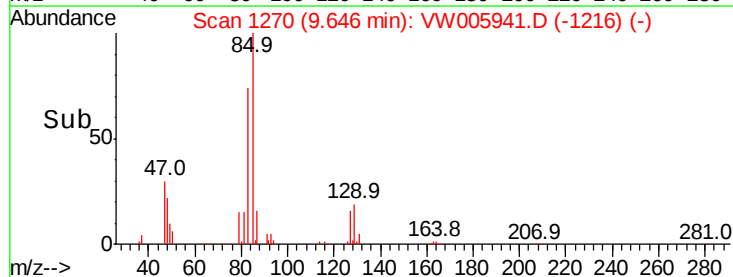
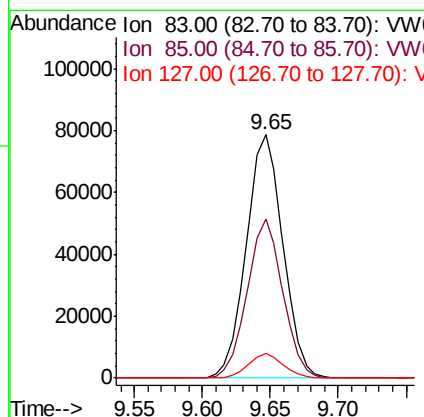
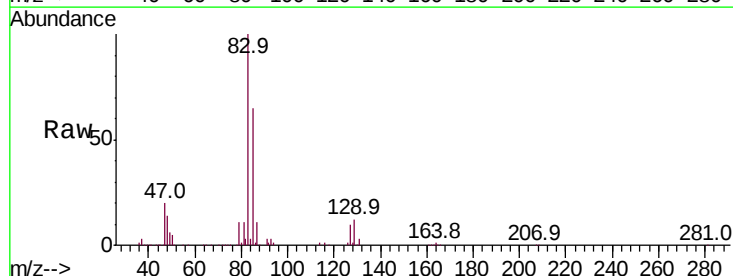
Instrument :
 MSVOA_W
 ClientSampleId :

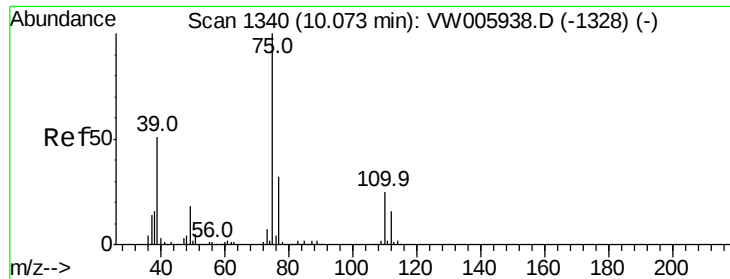
Tot Ion: 63 Resp: 109158
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#41
 Bromodichloromethane
 Concen: 24.673 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Tgt Ion: 83 Resp: 148693
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.5 84.5
 127 10.1 7.4 11.2

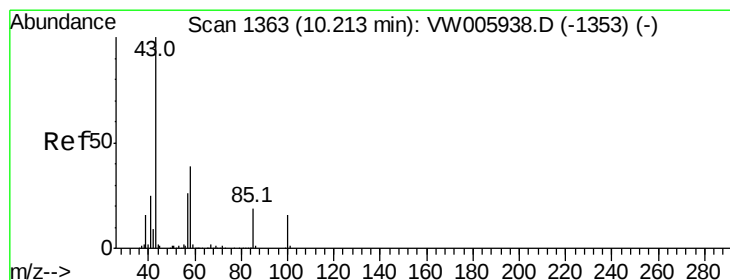
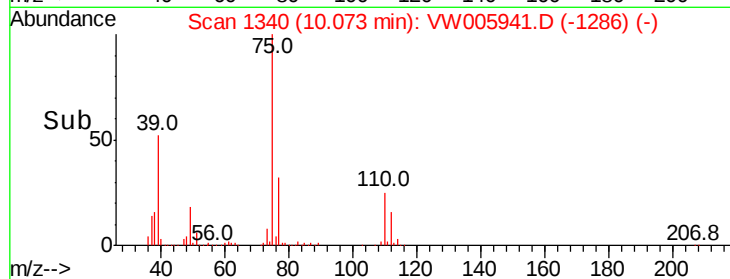
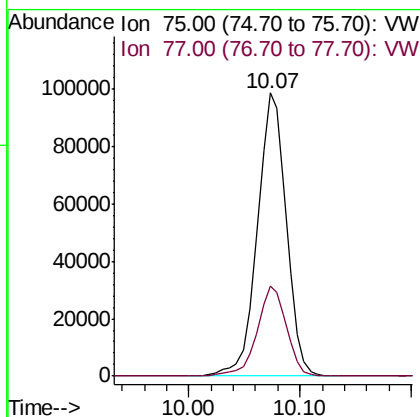
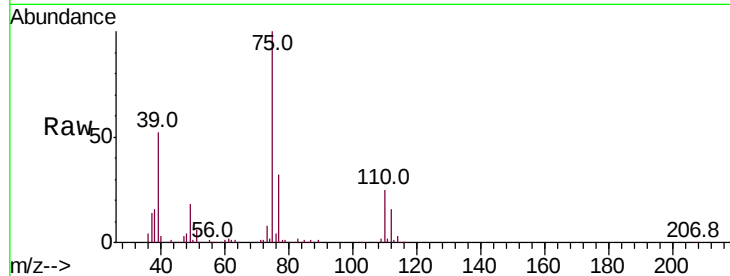




#42
 cis-1,3-Dichloropropene
 Concen: 24.559 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

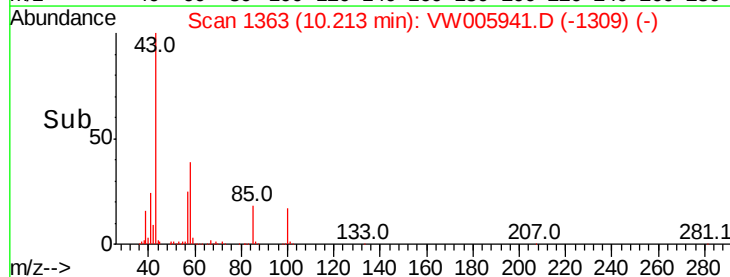
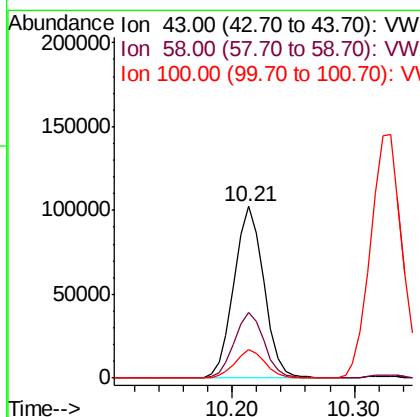
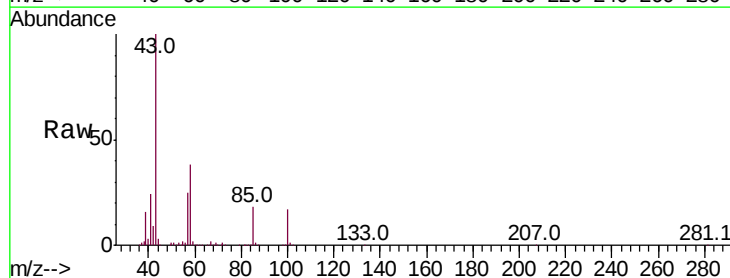
Instrument :
 MSVOA_W
 ClientSampled :

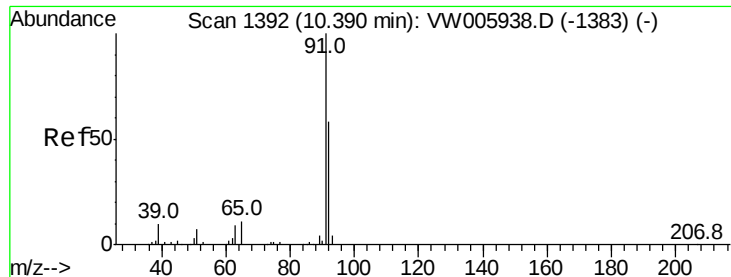
Tot Ion: 75 Resp: 179019
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.6 42.0



#43
 4-Methyl-2-pentanone
 Concen: 48.162 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Tgt Ion: 43 Resp: 172235
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.4 47.2
 100 16.6 13.3 19.9





#44

Toluene

Concen: 24.369 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

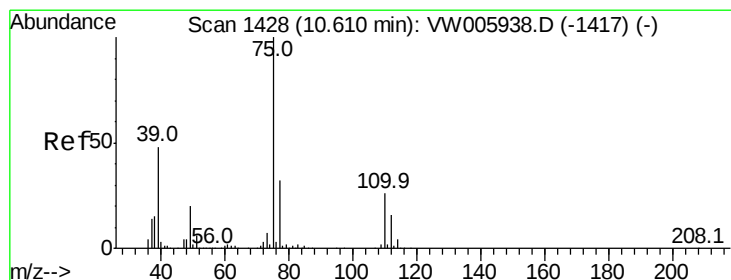
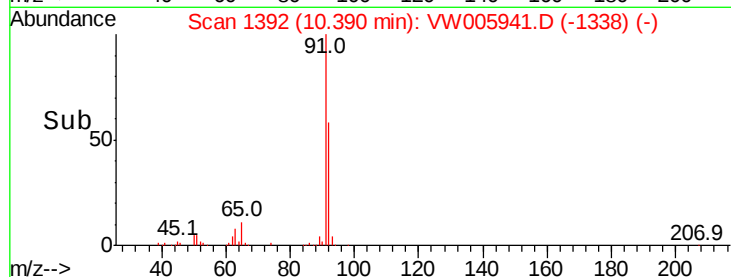
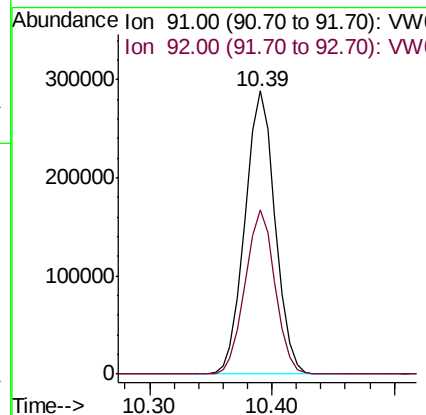
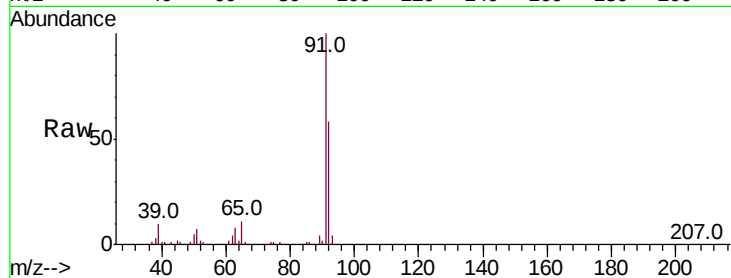
ClientSampleId :

Tot Ion: 91 Resp: 492262

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 24.950 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005941.D

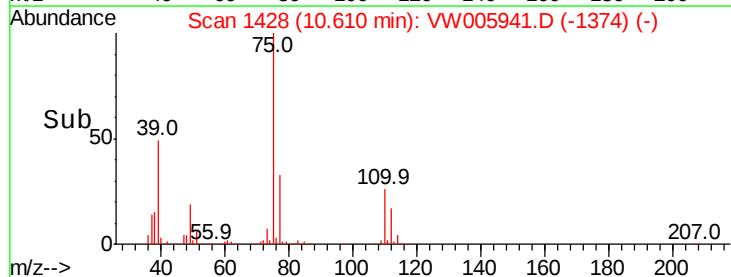
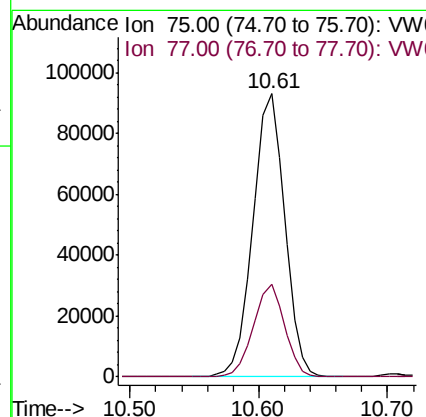
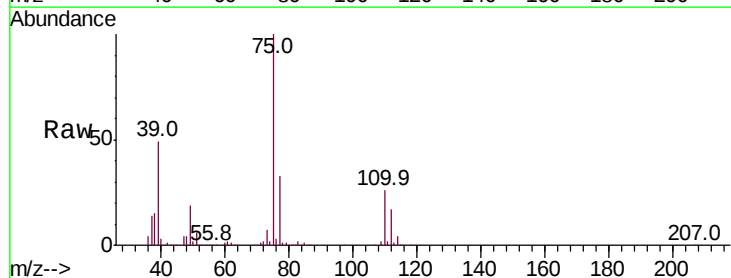
Acq: 09 Oct 2018 14:34

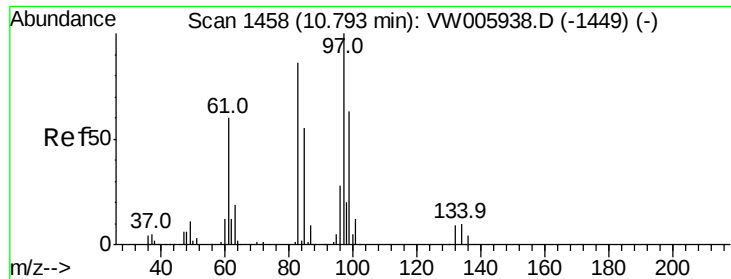
Tgt Ion: 75 Resp: 158859

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6

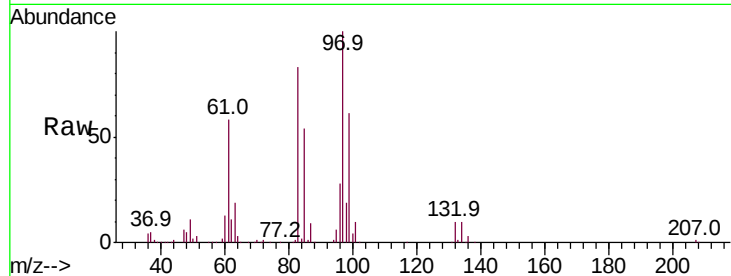




#46
 1,1,2-Trichloroethane
 Concen: 24.511 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	91091
Ion	Ratio	Lower	Upper
97	100		
83	82.9	60.0	111.4
85	53.9	38.7	71.9
99	60.8	44.3	82.3



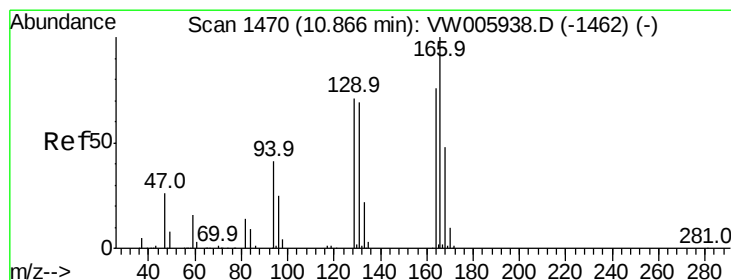
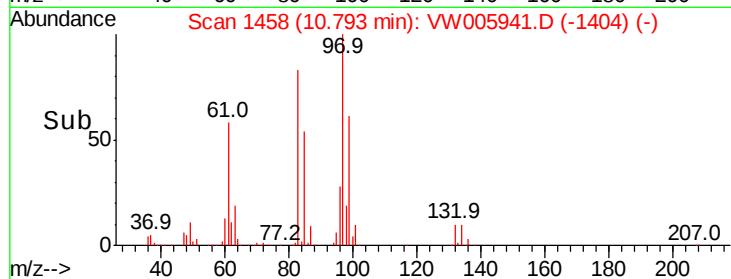
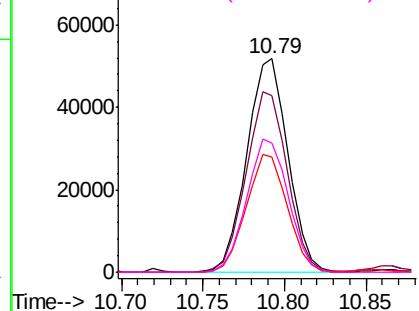
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

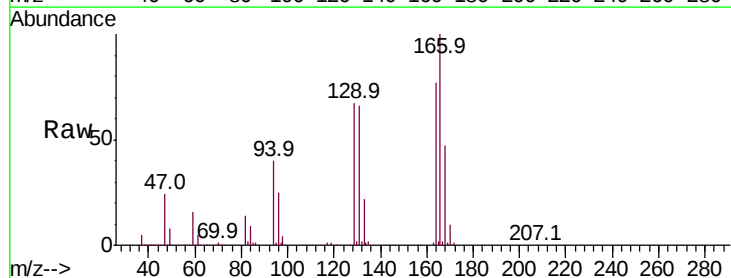
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.564 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Tgt Ion:	164	Resp:	115096
Ion	Ratio	Lower	Upper
164	100		
129	86.9	65.4	121.4
131	86.3	63.8	118.4
166	129.9	92.3	171.3



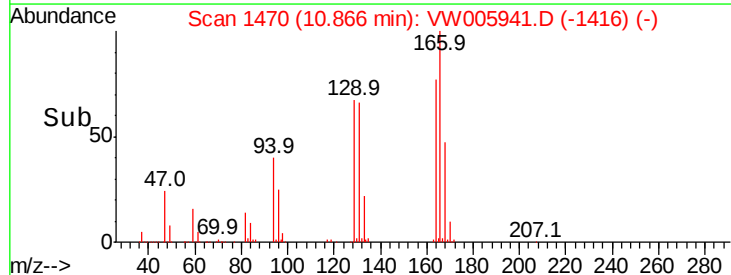
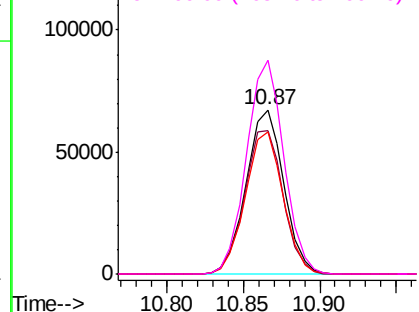
Abundance

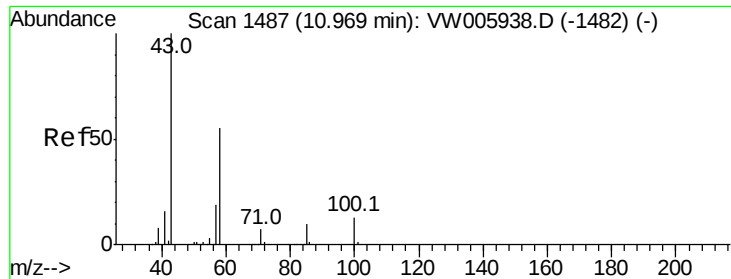
Ion 164.00 (163.70 to 164.70): V

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: 50.795 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 133874

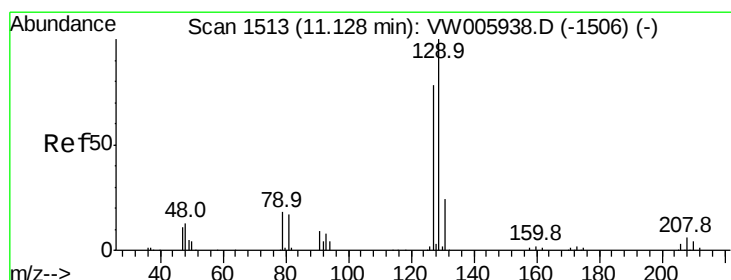
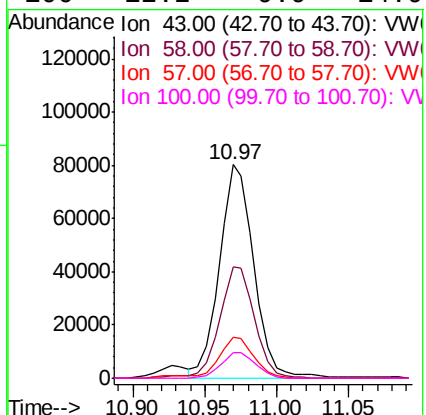
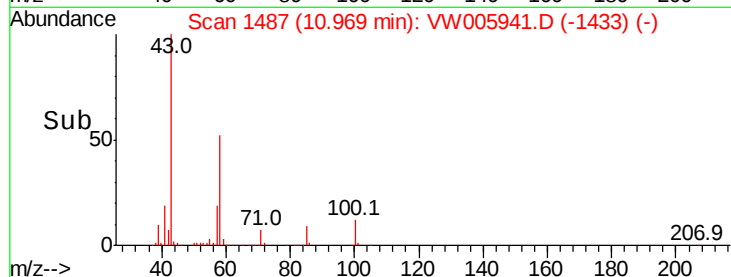
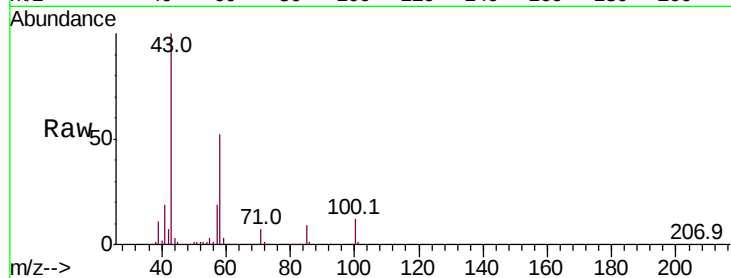
Ion Ratio Lower Upper

43 100

58 52.7 42.1 63.1

57 19.0 15.1 22.7

100 12.2 9.9 14.9



#50

Dibromochloromethane

Concen: 24.673 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW005941.D

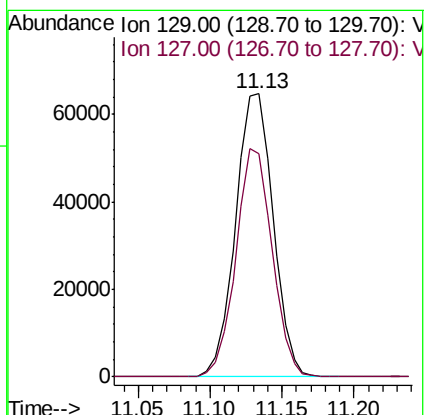
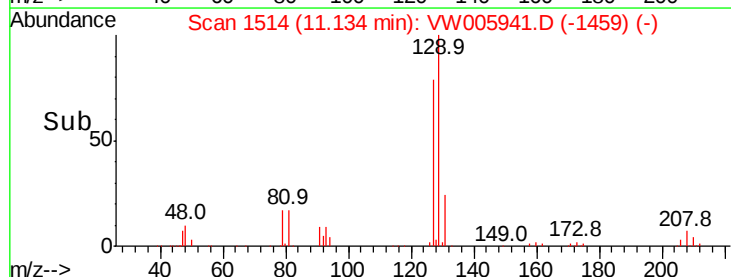
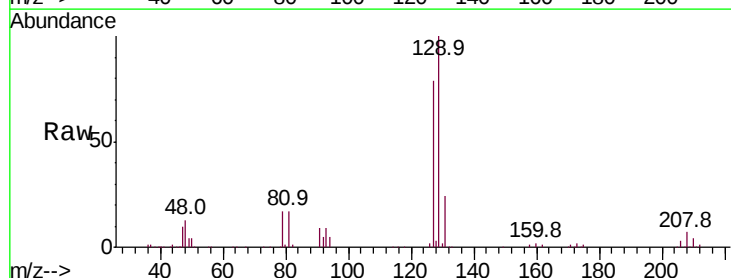
Acq: 09 Oct 2018 14:34

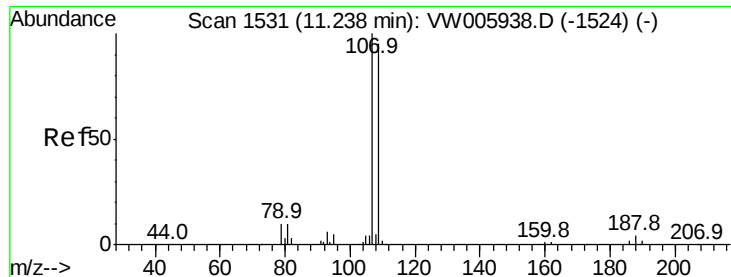
Tgt Ion: 129 Resp: 117530

Ion Ratio Lower Upper

129 100

127 79.0 54.4 101.0

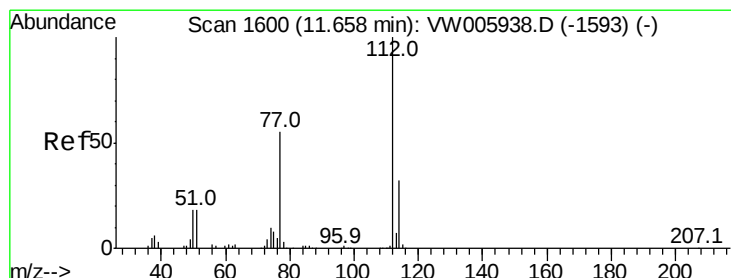
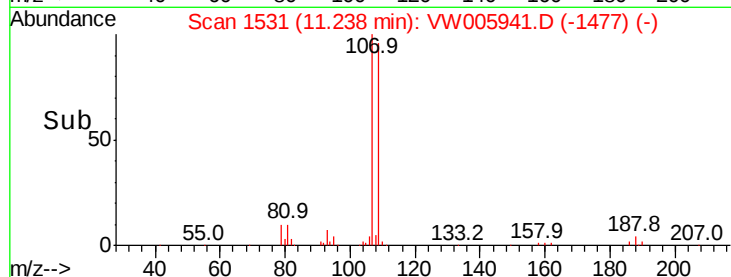
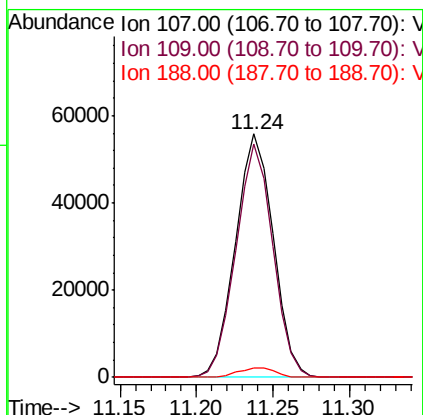
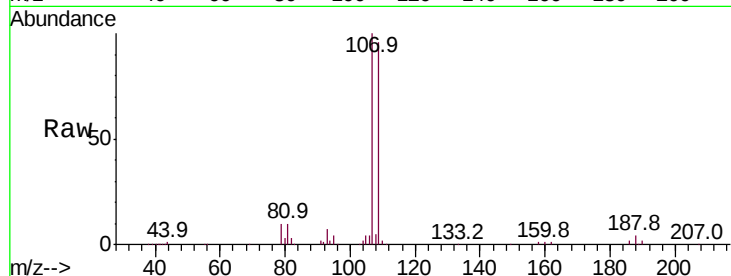




#51
1,2-Dibromoethane
Concen: 24.843 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

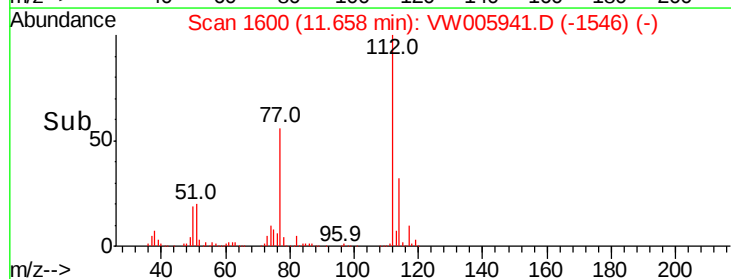
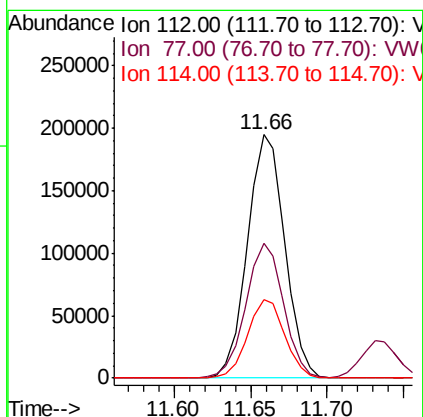
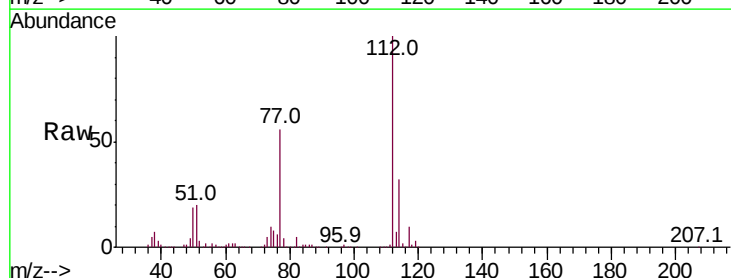
Instrument :
MSVOA_W
ClientSampleId :

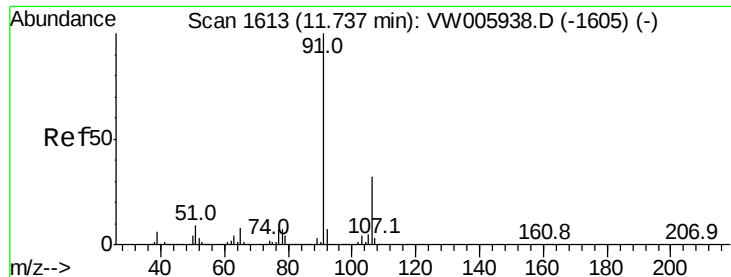
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	66.6	123.8
188	4.1	3.4	5.0



#52
Chlorobenzene
Concen: 24.205 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW005941.D
Acq: 09 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.6	44.2	66.2
114	32.5	22.1	41.1





#53

Ethylbenzene

Concen: 24.387 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

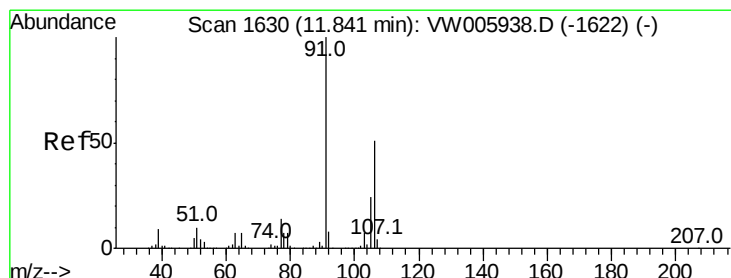
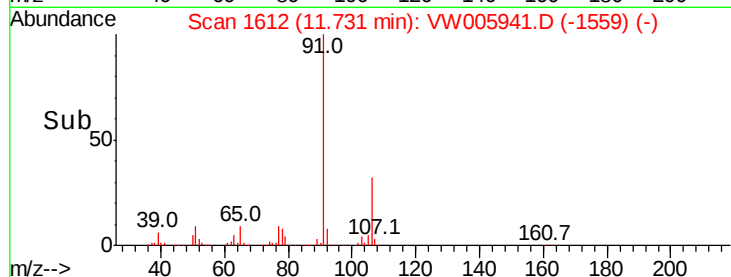
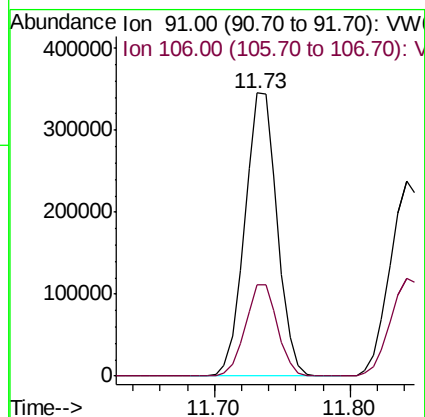
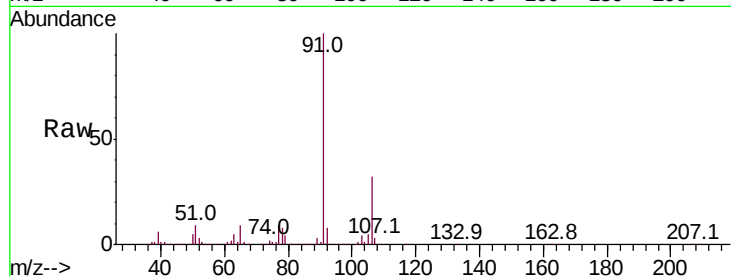
ClientSampleId :

Tot Ion: 91 Resp: 573521

Ion Ratio Lower Upper

91 100

106 32.1 22.6 42.0



#54

m,p-Xylene

Concen: 24.464 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW005941.D

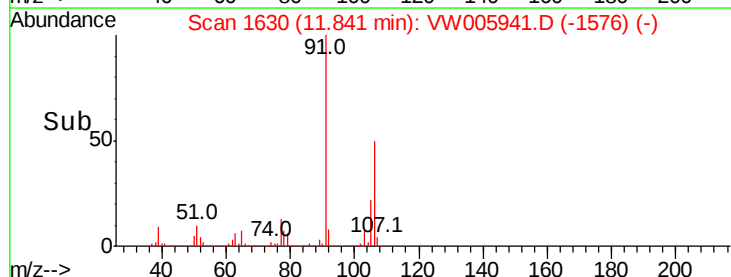
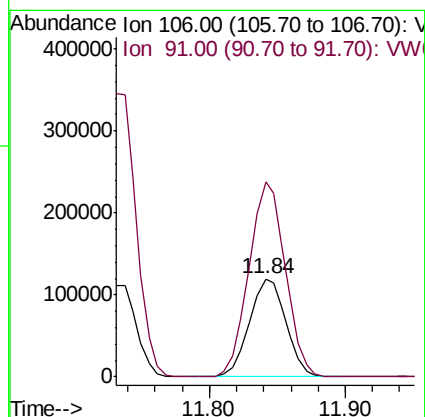
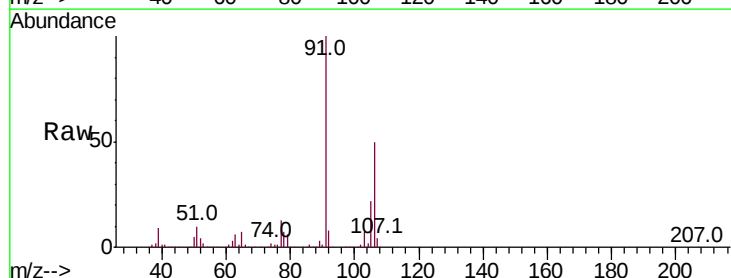
Acq: 09 Oct 2018 14:34

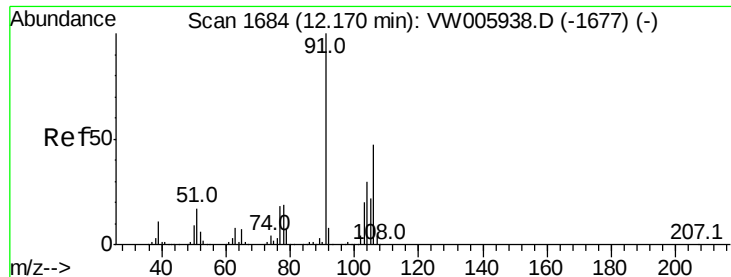
Tgt Ion:106 Resp: 225517

Ion Ratio Lower Upper

106 100

91 198.8 138.4 257.0





#55

o-xylene

Concen: 24.560 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

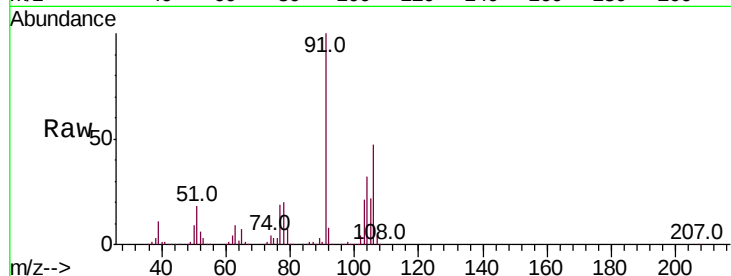
ClientSampled :

Tot Ion:106 Resp: 216170

Ion Ratio Lower Upper

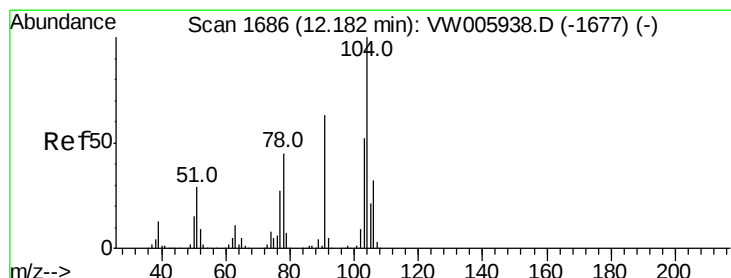
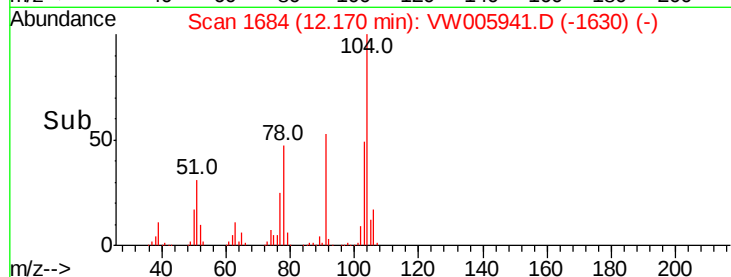
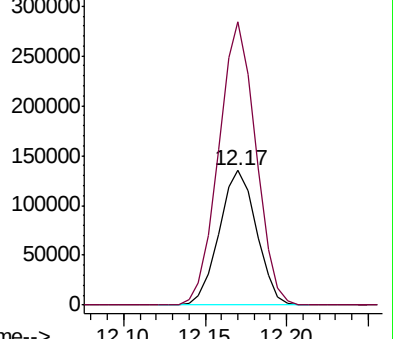
106 100

91 210.6 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.408 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW005941.D

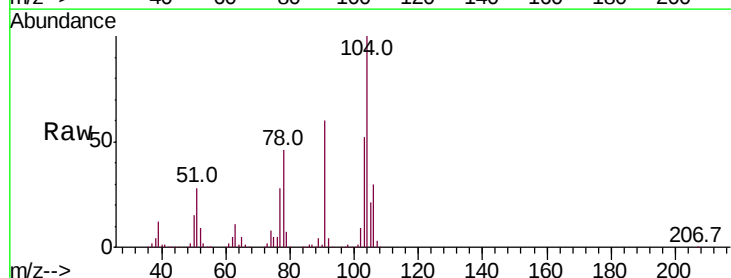
Acq: 09 Oct 2018 14:34

Tgt Ion:104 Resp: 369958

Ion Ratio Lower Upper

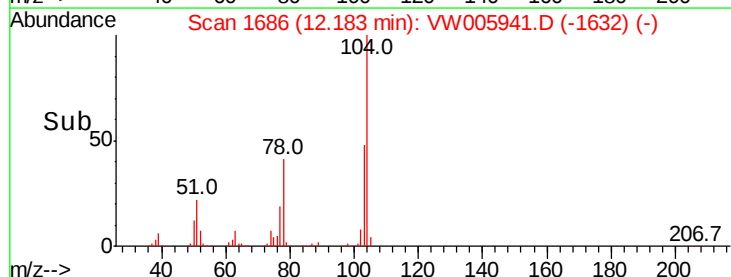
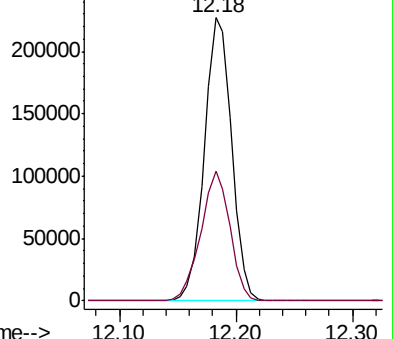
104 100

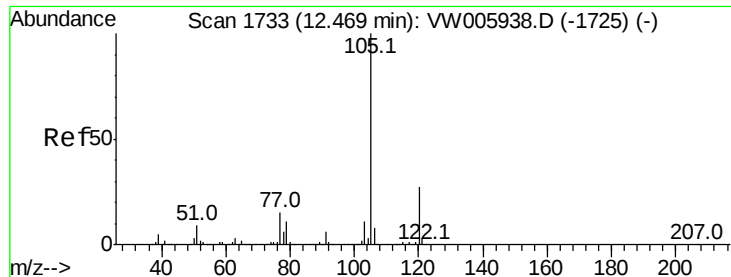
78 45.8 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.335 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005941.D

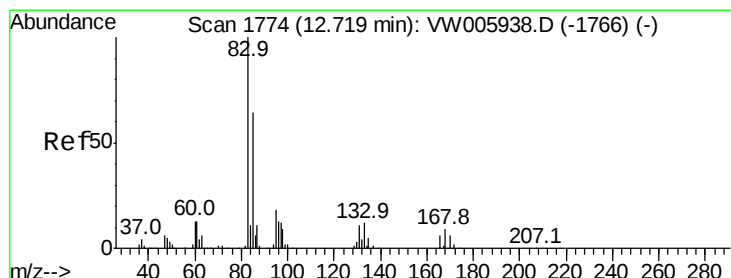
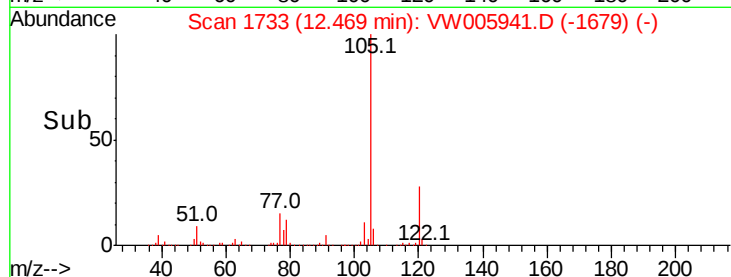
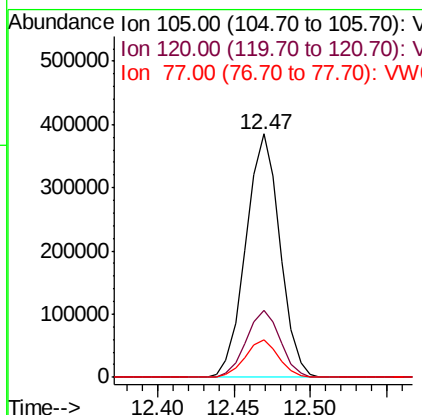
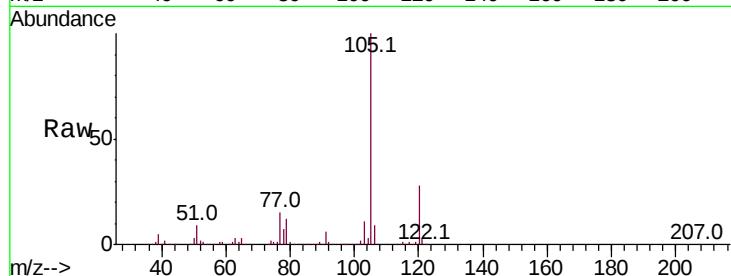
Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	595967
Ion	Ratio	Lower	Upper
105	100		
120	27.5	21.8	32.6
77	15.2	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 25.021 ug/L

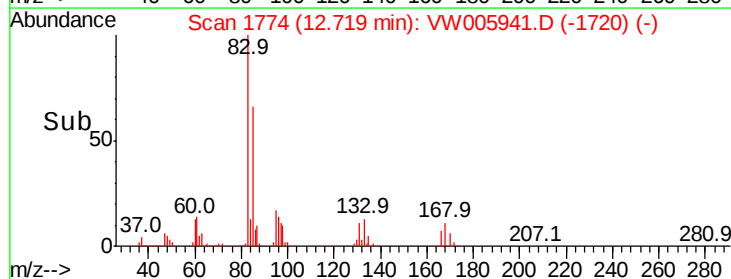
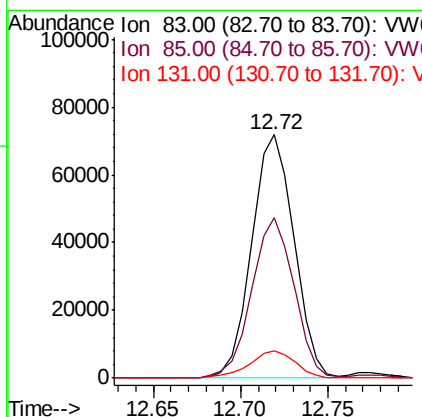
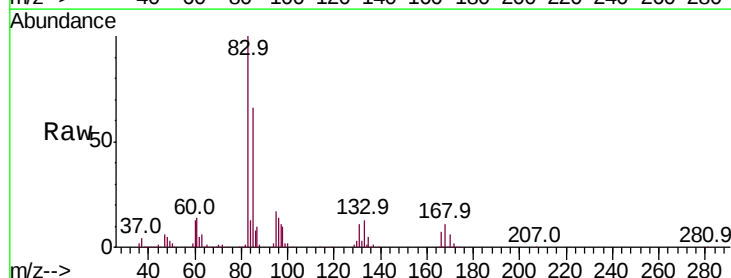
RT: 12.72 min Scan# 1774

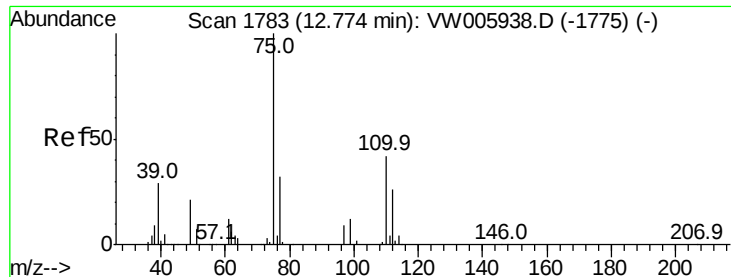
Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Tgt Ion:	83	Resp:	120841
Ion	Ratio	Lower	Upper
83	100		
85	65.9	44.8	83.2
131	11.5	9.0	13.4





#59

1,2,3-Trichloropropane

Concen: 25.026 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

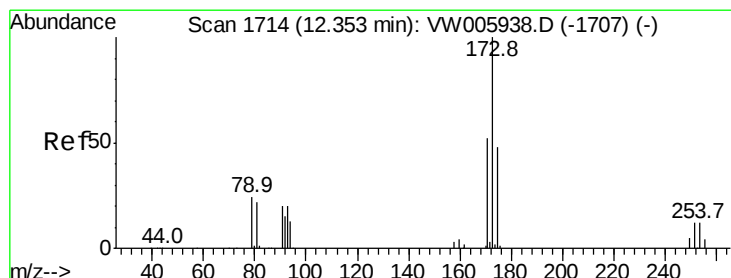
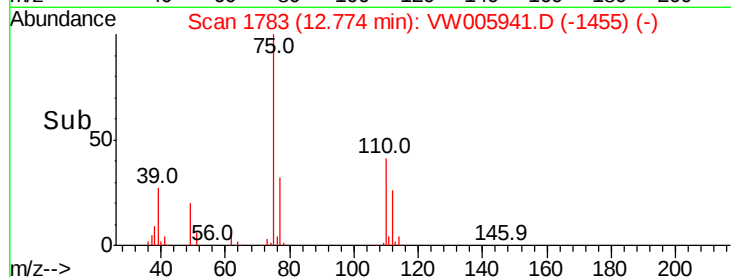
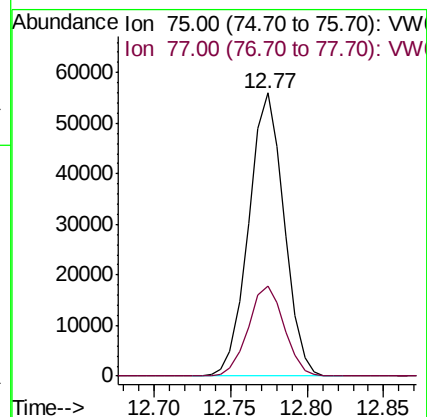
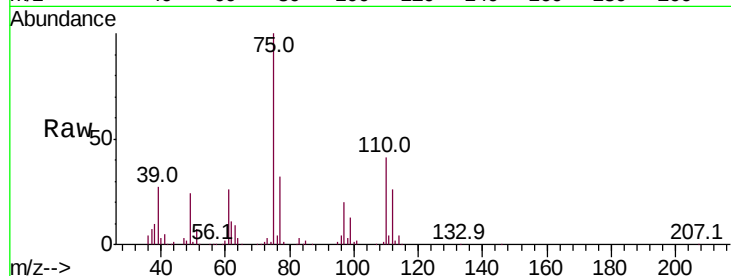
ClientSampleId :

Tot Ion: 75 Resp: 90177

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 25.218 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

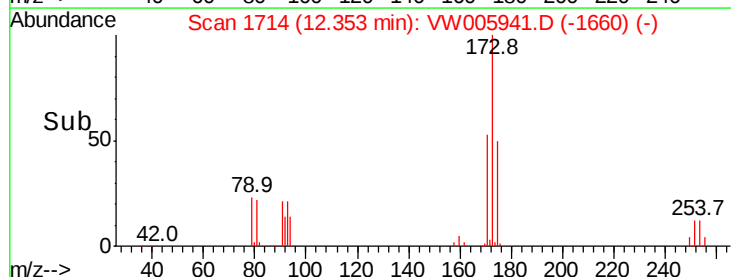
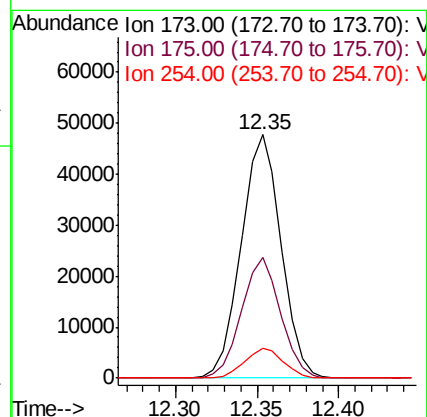
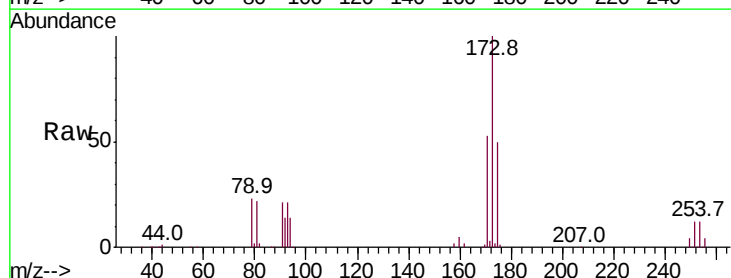
Tgt Ion: 173 Resp: 81053

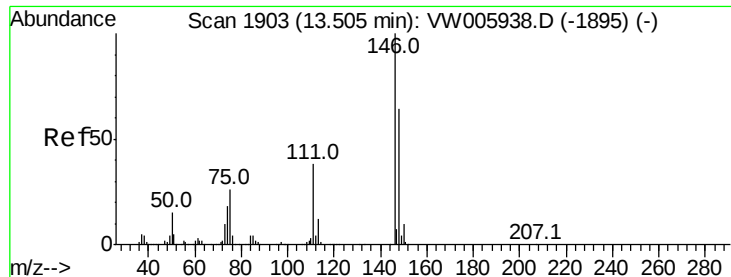
Ion Ratio Lower Upper

173 100

175 48.7 39.1 58.7

254 12.0 9.2 13.8

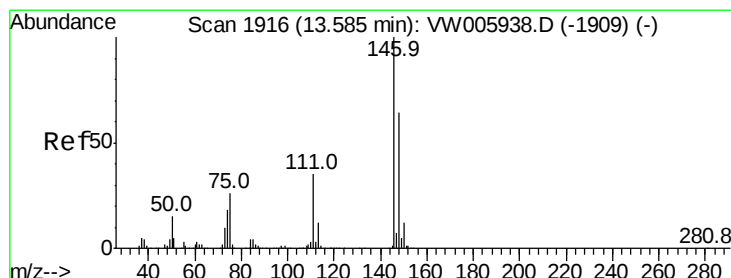
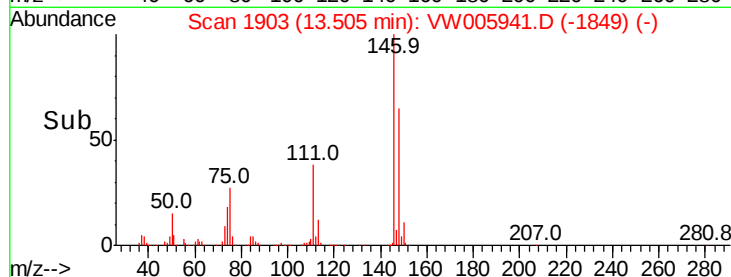
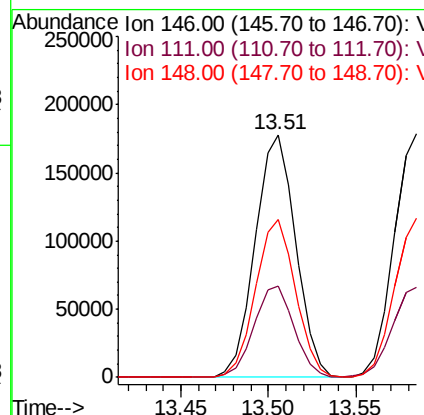
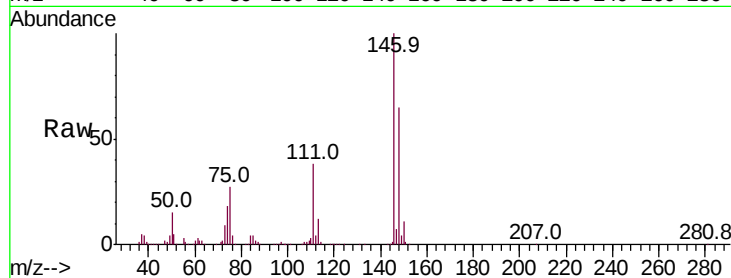




#63
 1,3-Dichlorobenzene
 Concen: 24.518 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

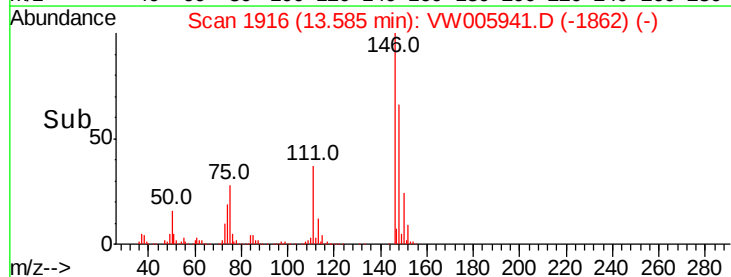
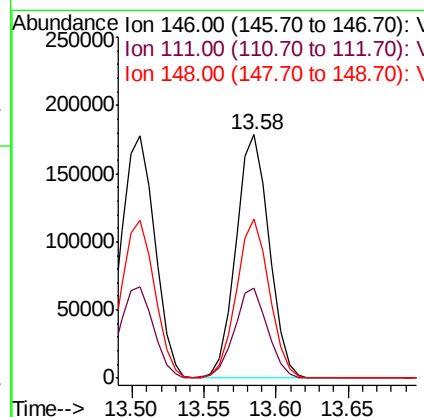
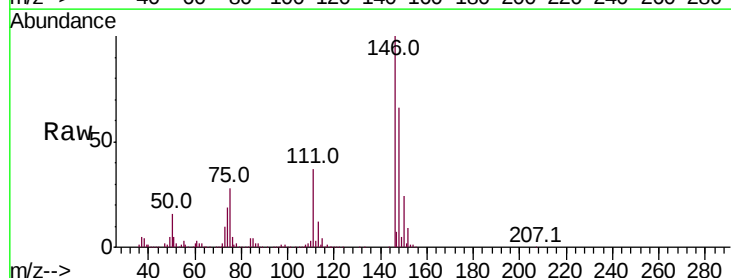
Instrument :
 MSVOA_W
 ClientSampleId :

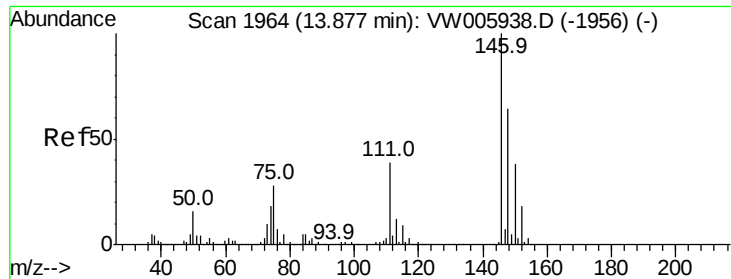
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.3	48.9
148	65.1	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.253 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	24.7	45.9
148	65.6	44.9	83.5

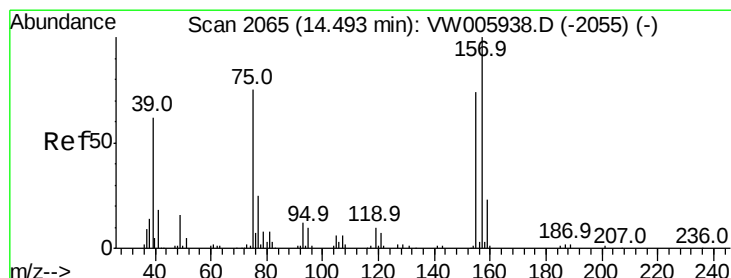
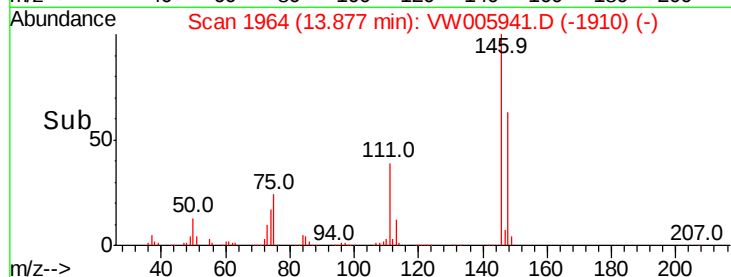
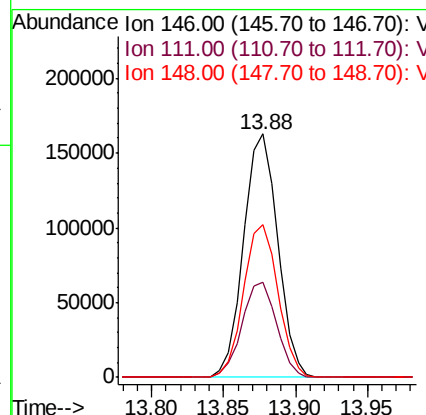
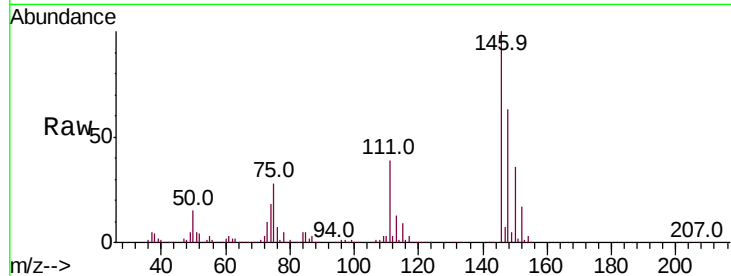




#65
 1,2-Dichlorobenzene
 Concen: 24.707 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

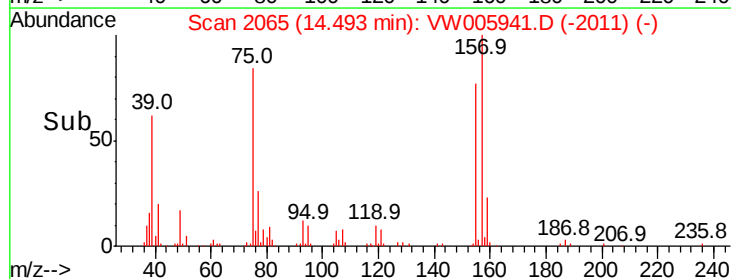
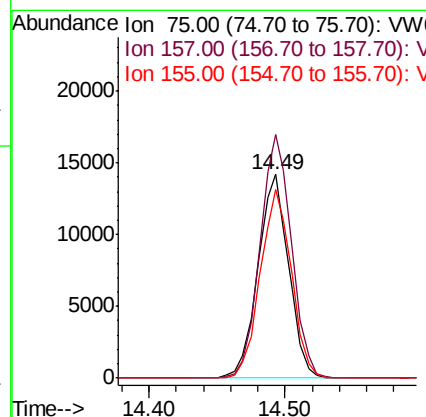
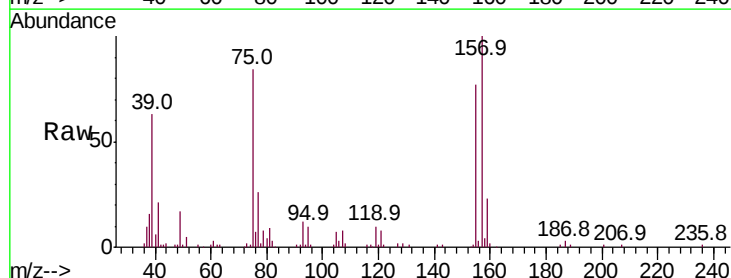
Instrument :
 MSVOA_W
 ClientSampleId :

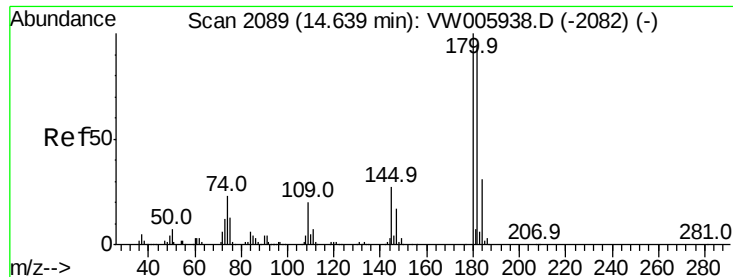
Tot Ion:146 Resp: 267747
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.1 46.7
 148 62.8 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.687 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Tgt Ion: 75 Resp: 22406
 Ion Ratio Lower Upper
 75 100
 157 119.7 106.8 160.2
 155 92.7 79.2 118.8

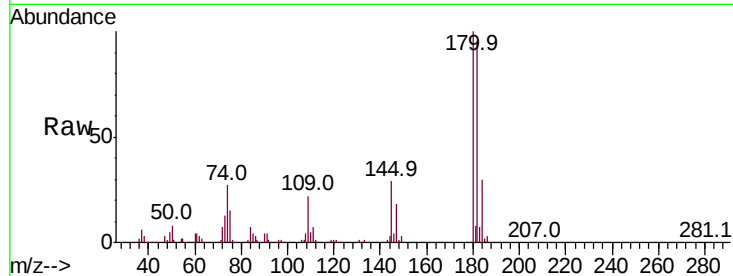




#67
 1,3,5-Trichlorobenzene
 Concen: 24.714 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	234671
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
184	30.3	24.3	36.5
145	28.0	22.6	33.8



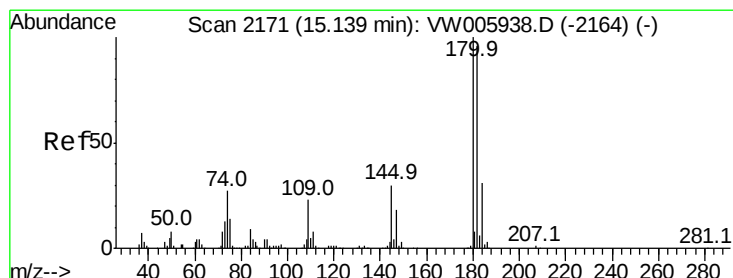
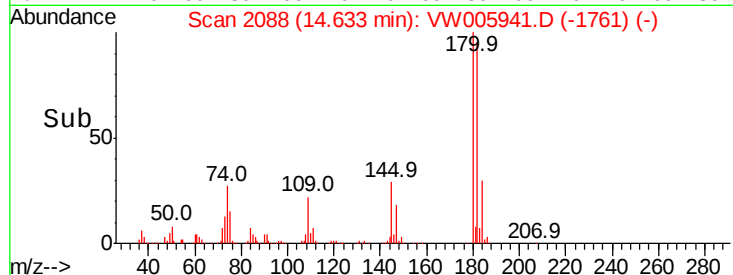
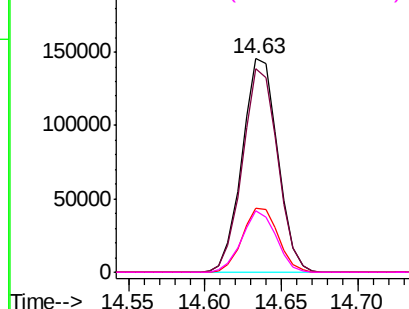
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

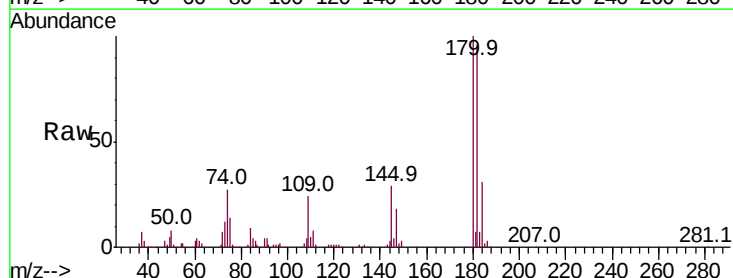
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.122 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005941.D
 Acq: 09 Oct 2018 14:34

Tgt Ion:	180	Resp:	203404
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	28.8	23.0	34.6

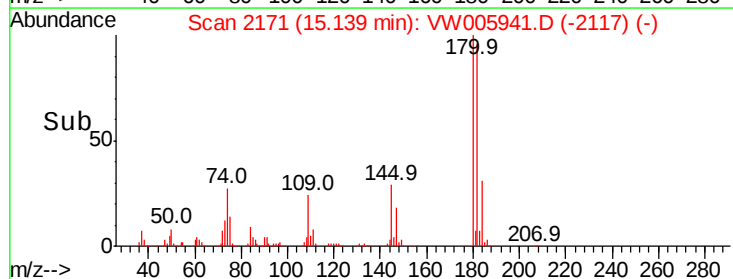
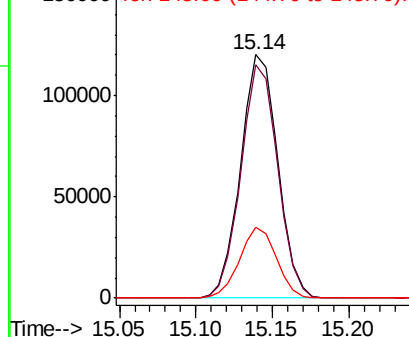


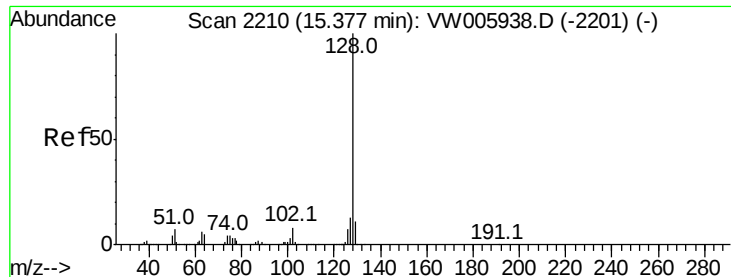
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.814 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

Instrument :

MSVOA_W

ClientSampleId :

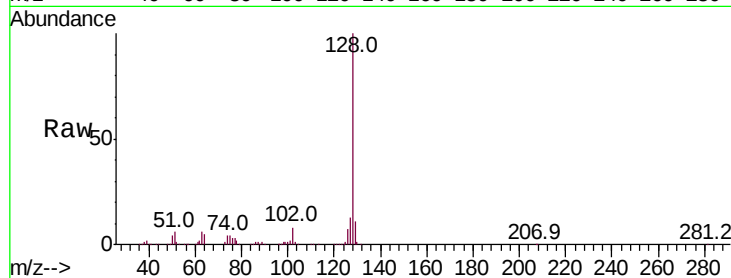
Tot Ion:128 Resp: 423176

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

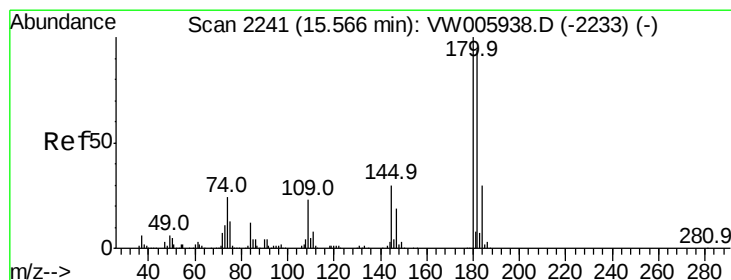
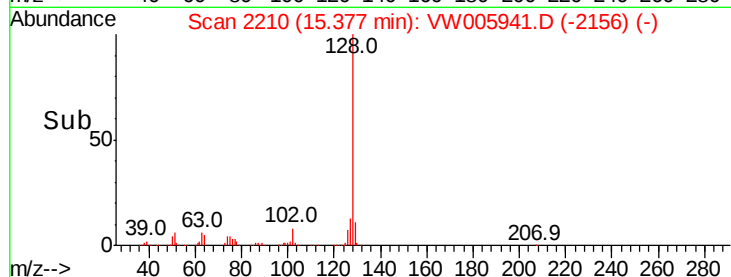
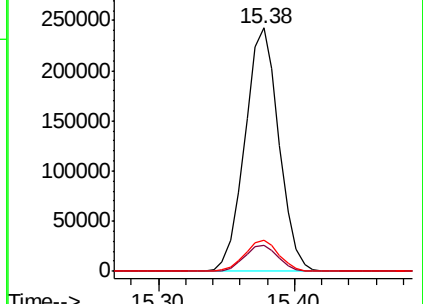
127 12.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.287 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005941.D

Acq: 09 Oct 2018 14:34

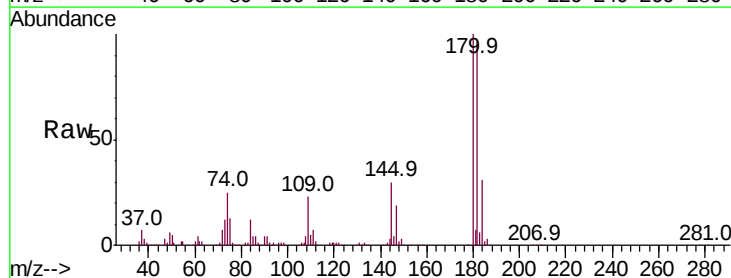
Tgt Ion:180 Resp: 183941

Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

145 30.2 24.5 36.7



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

