

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002309.D
 Acq On : 08 May 2018 22:44
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 09 08:36:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	336847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126175	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.88	113	117375	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.33	98	452630	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.63	95	165917	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	56882	62.68	ug/l	99
3) Chloromethane	2.21	50	89359	48.49	ug/l	99
4) Vinyl Chloride	2.36	62	151867	49.97	ug/l	98
5) Bromomethane	2.77	94	117861	48.22	ug/l	100
6) Chloroethane	2.92	64	102983	50.22	ug/l	94
7) Trichlorofluoromethane	3.24	101	54809	44.16	ug/l	92
8) Diethyl Ether	3.67	74	85138	61.28	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	104988	47.90	ug/l	99
10) Methyl Iodide	4.26	142	167316	47.04	ug/l	99
11) Tert butyl alcohol	5.18	59	41889	226.03	ug/l #	79
12) 1,1-Dichloroethene	4.03	96	102824	47.31	ug/l	94
13) Acrolein	3.89	56	33065	213.10	ug/l	95
14) Allyl chloride	4.65	41	141212	44.22	ug/l	99
15) Acrylonitrile	5.36	53	131505	241.31	ug/l	99
16) Acetone	4.12	43	124931	250.89	ug/l	97
17) Carbon Disulfide	4.37	76	293621	46.46	ug/l	98
18) Methyl Acetate	4.67	43	74076	49.58	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	183034	48.17	ug/l	99
20) Methylene Chloride	4.90	84	106260	44.26	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	111625	47.58	ug/l	98
22) Diisopropyl ether	6.31	45	327505	46.78	ug/l	97
23) Vinyl Acetate	6.25	43	1029672	245.61	ug/l	100
24) 1,1-Dichloroethane	6.21	63	201682	47.52	ug/l	99
25) 2-Butanone	7.18	43	184789	249.92	ug/l	100
26) 2,2-Dichloropropane	7.17	77	98557	46.58	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	124537	47.10	ug/l	98
28) Bromochloromethane	7.51	49	91958	47.90	ug/l #	99
29) Tetrahydrofuran	7.53	42	120898	249.31	ug/l	99
30) Chloroform	7.67	83	210506	47.36	ug/l	99
31) Cyclohexane	7.95	56	172294	45.47	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	159478	47.75	ug/l	99
36) 1,1-Dichloropropene	8.08	75	160593	50.02	ug/l	99
37) Ethyl Acetate	7.26	43	81378	52.02	ug/l	99
38) Carbon Tetrachloride	8.07	117	155071	49.95	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191796	51.19	ug/l	98
40) Benzene	8.32	78	461783	49.21	ug/l	97
41) Methacrylonitrile	7.48	41	50328	56.14	ug/l	96
42) 1,2-Dichloroethane	8.40	62	143583	49.06	ug/l	100
43) Isopropyl Acetate	8.43	43	155448	52.37	ug/l	98
44) Trichloroethene	9.09	130	128801	50.35	ug/l	96
45) 1,2-Dichloropropane	9.37	63	116206	49.43	ug/l	93
46) Dibromomethane	9.46	93	67391	51.28	ug/l	98
47) Bromodichloromethane	9.65	83	157516	50.79	ug/l	96
48) Methyl methacrylate	9.44	41	76211	52.88	ug/l	99
49) 1,4-Dioxane	9.45	88	22125	1059.75	ug/l	95
51) 4-Methyl-2-Pentanone	10.22	43	422665	258.15	ug/l	100
52) Toluene	10.39	92	298945	50.16	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	158398	51.94	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	176714	50.69	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	93225	50.38	ug/l	99
56) Ethyl methacrylate	10.65	69	119175	52.10	ug/l	99
57) 1,3-Dichloropropane	10.94	76	157289	50.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	297663	268.09	ug/l	99
59) 2-Hexanone	10.98	43	299919	267.80	ug/l	100
60) Dibromochloromethane	11.13	129	113577	52.00	ug/l	98
61) 1,2-Dibromoethane	11.24	107	91263	50.45	ug/l	100
64) Tetrachloroethene	10.87	164	128767	49.67	ug/l	98
65) Chlorobenzene	11.66	112	338370	49.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	121885	49.68	ug/l	99
67) Ethyl Benzene	11.74	91	586718	49.59	ug/l	98
68) m/p-Xylenes	11.85	106	456446	99.99	ug/l	100
69) o-Xylene	12.18	106	214078	49.32	ug/l	100
70) Styrene	12.19	104	362503	50.29	ug/l	100
71) Bromoform	12.36	173	71221	50.63	ug/l #	99
73) Isopropylbenzene	12.48	105	589257	49.52	ug/l	100
74) N-amyl acetate	12.28	43	152607	51.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	114107	49.61	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	86829m	53.45	ug/l	
77) Bromobenzene	12.76	156	147591	49.21	ug/l	100
78) n-propylbenzene	12.82	91	716041	50.76	ug/l	99
79) 2-Chlorotoluene	12.90	91	405019	49.86	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	503980	50.35	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	33126	53.72	ug/l	99
82) 4-Chlorotoluene	13.00	91	430962	49.89	ug/l	100
83) tert-Butylbenzene	13.22	119	438265	50.86	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	524162	50.51	ug/l	100
85) sec-Butylbenzene	13.40	105	630169	51.22	ug/l	99
86) p-Isopropyltoluene	13.51	119	566744	51.52	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	297703	50.14	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	291847	49.24	ug/l	100
89) n-Butylbenzene	13.84	91	533257	51.80	ug/l	99
90) Hexachloroethane	14.10	117	99272	50.46	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	265089	49.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	20557	51.70	ug/l	97

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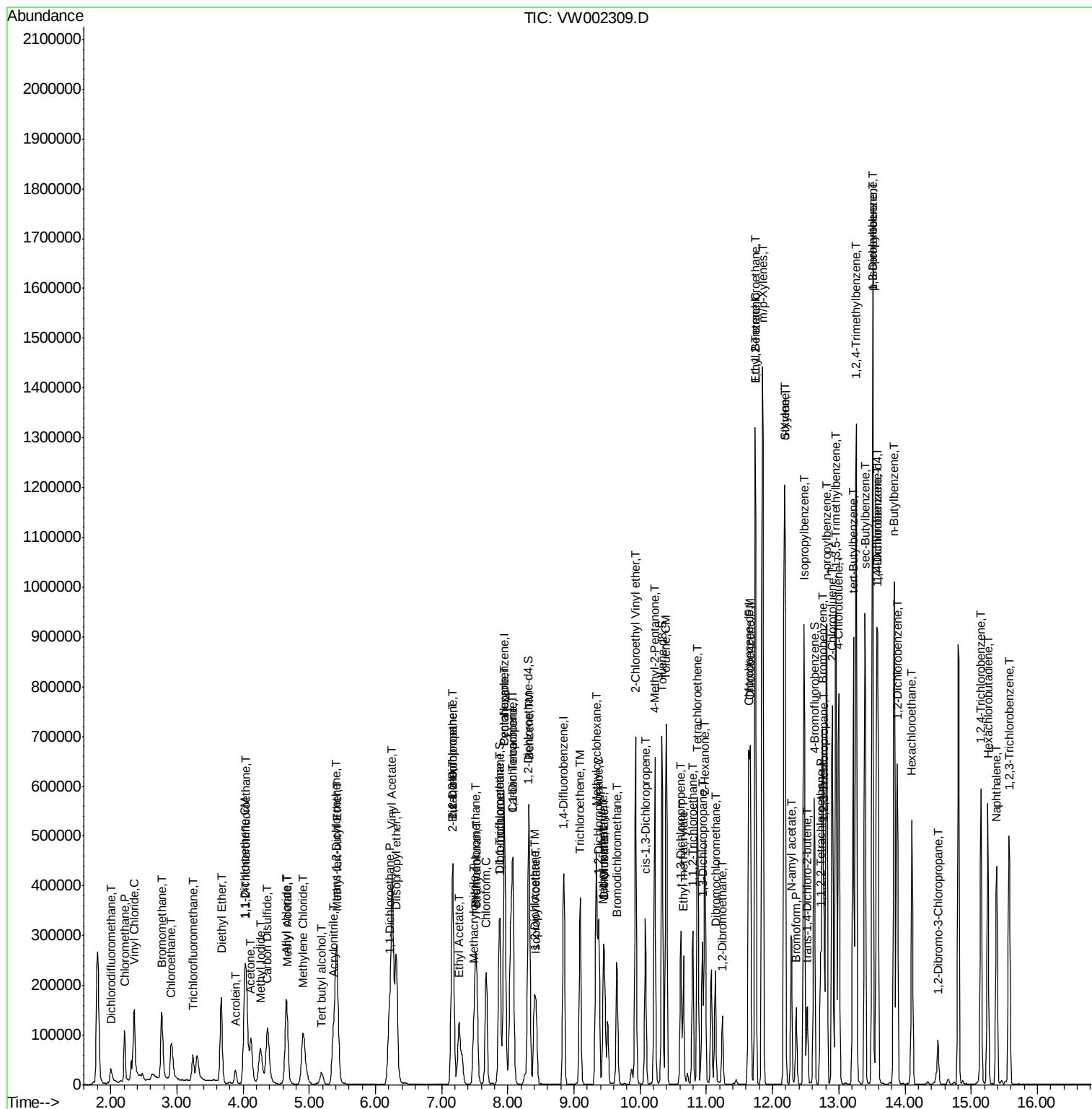
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	192428	49.97	ug/l	98
94) Hexachlorobutadiene	15.25	225	106708	49.74	ug/l	99
95) Naphthalene	15.38	128	370526	52.34	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	171381	49.63	ug/l	99

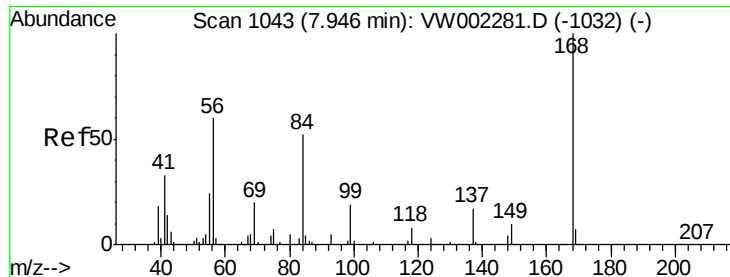
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

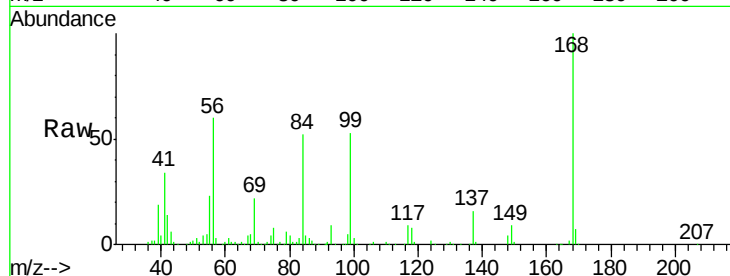
VSTDCCC050

Tot Ion:168 Resp: 240100

Ion Ratio Lower Upper

168 100

99 53.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

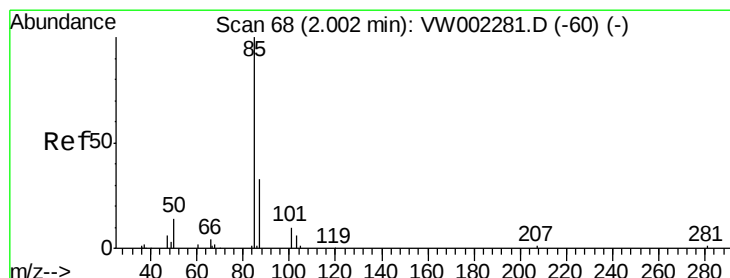
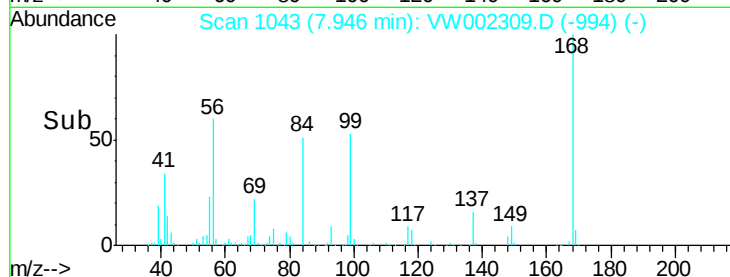
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 62.68 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW002309.D

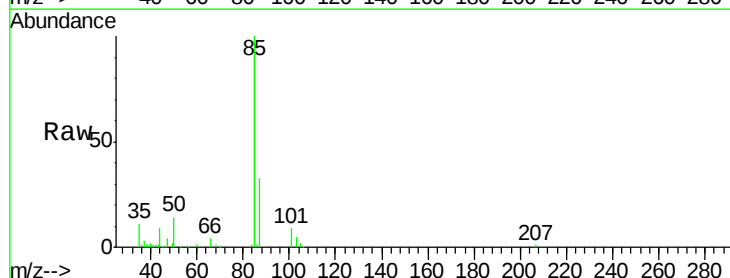
Acq: 08 May 2018 22:44

Tgt Ion: 85 Resp: 56882

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

10000

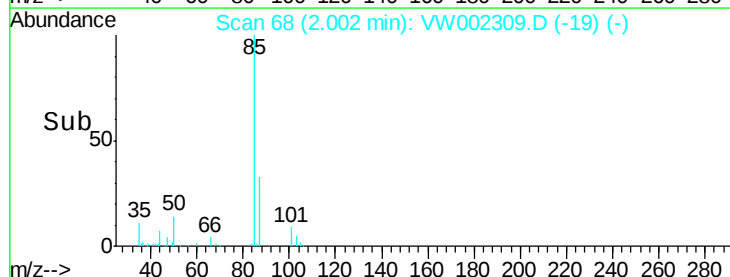
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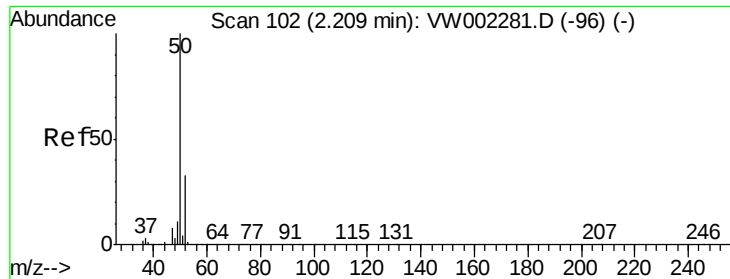
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 48.49 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

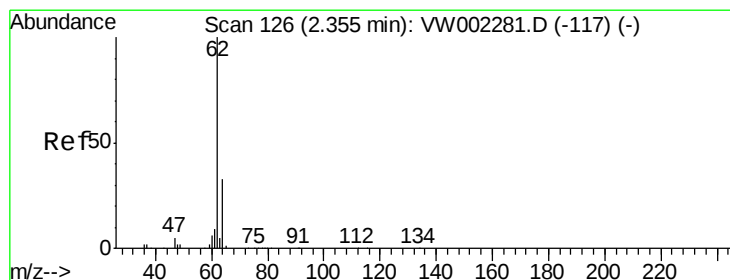
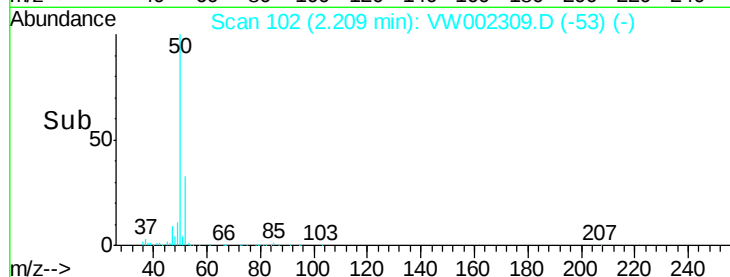
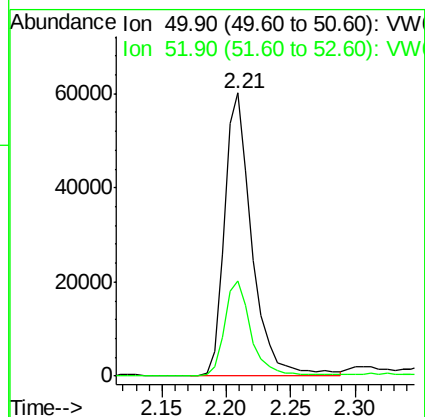
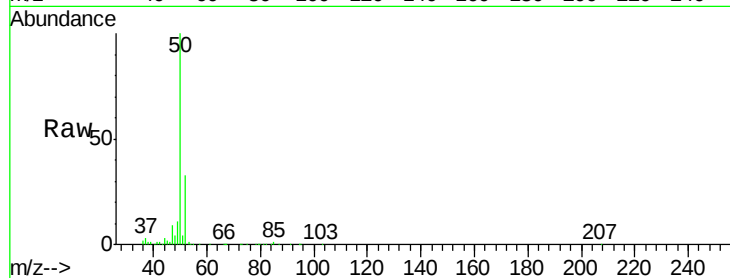
VSTDCCC050

Tot Ion: 50 Resp: 89359

Ion Ratio Lower Upper

50 100

52 33.5 26.5 39.7



#4

Vinyl Chloride

Concen: 49.97 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002309.D

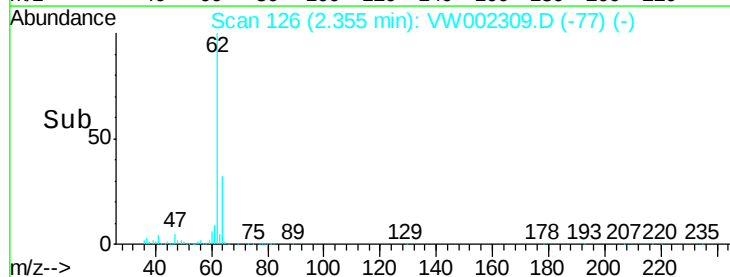
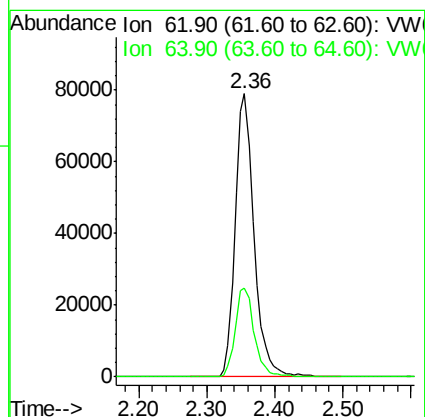
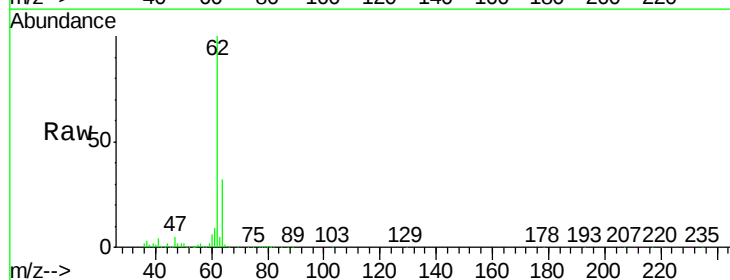
Acq: 08 May 2018 22:44

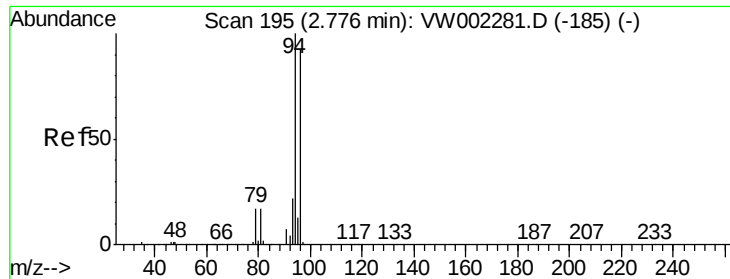
Tgt Ion: 62 Resp: 151867

Ion Ratio Lower Upper

62 100

64 31.5 26.1 39.1





#5

Bromomethane

Concen: 48.22 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

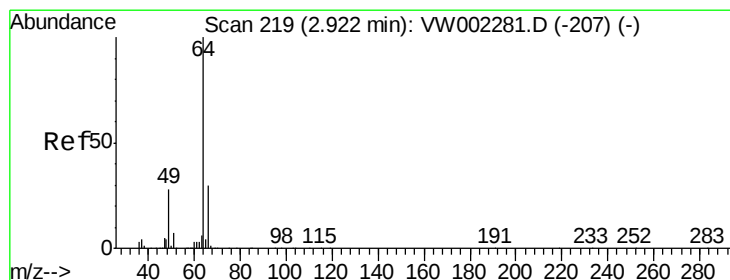
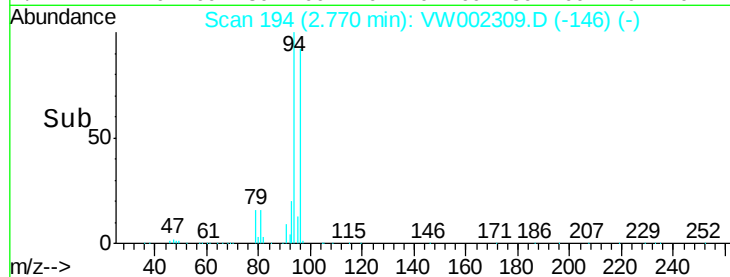
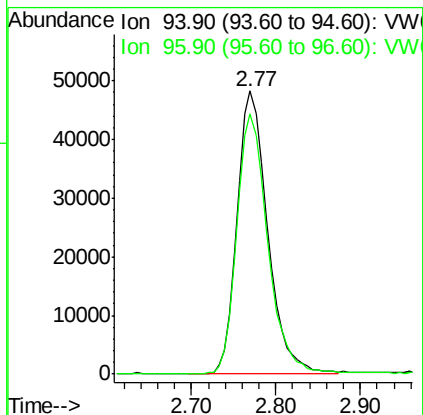
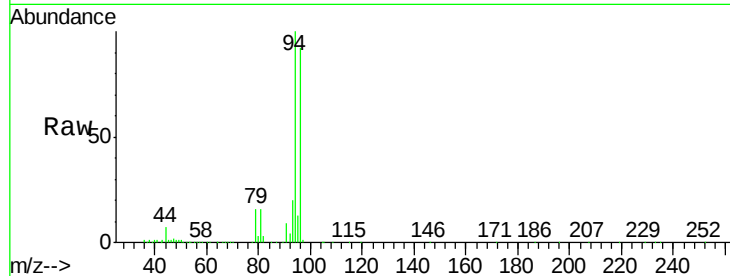
VSTDCCC050

Tot Ion: 94 Resp: 117861

Ion Ratio Lower Upper

94 100

96 92.1 73.6 110.4



#6

Chloroethane

Concen: 50.22 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW002309.D

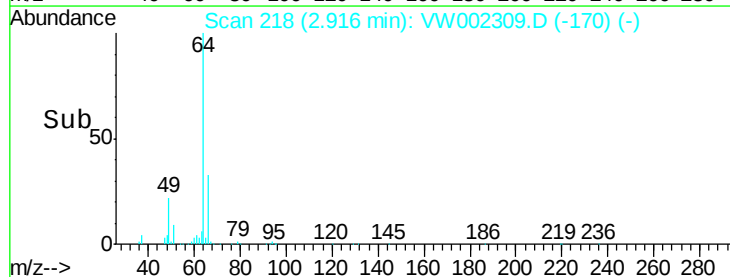
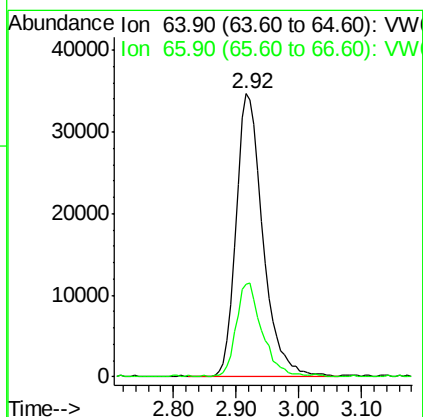
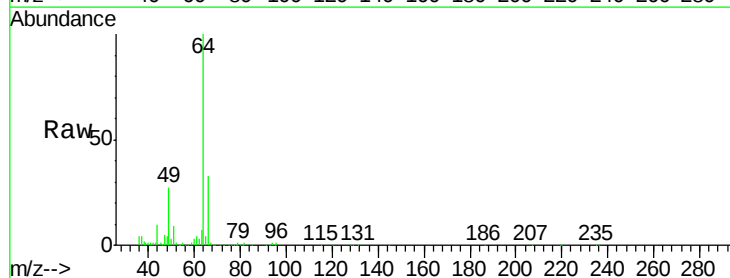
Acq: 08 May 2018 22:44

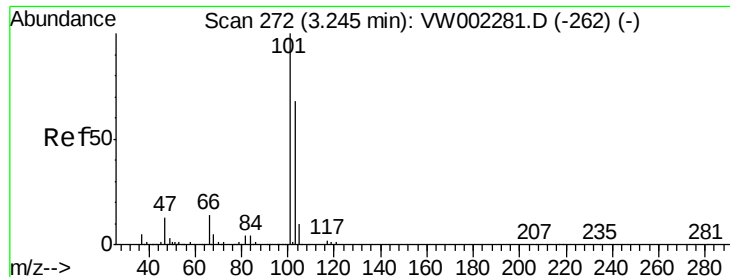
Tgt Ion: 64 Resp: 102983

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.6



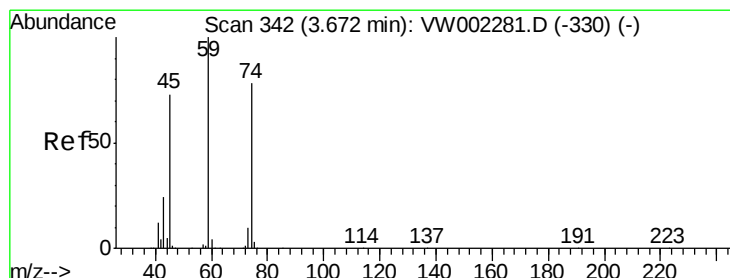
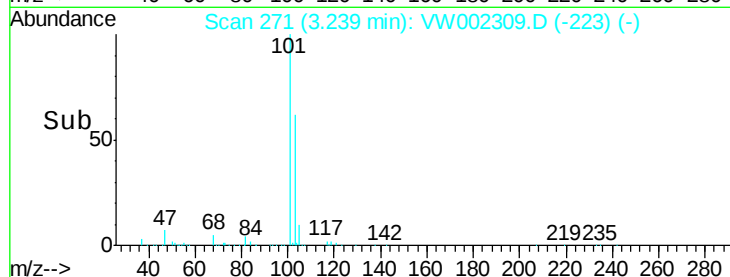
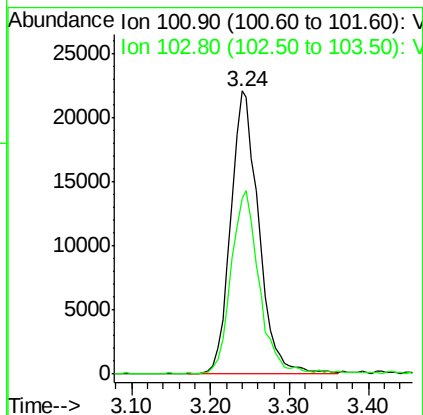
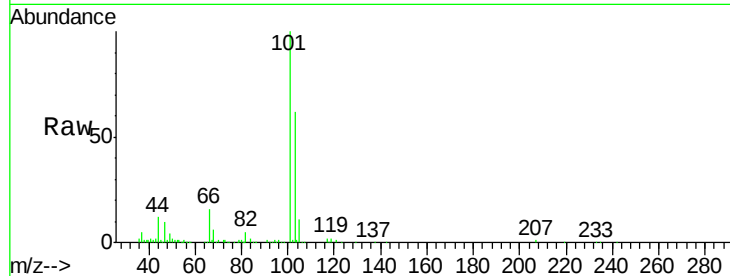


#7

Trichlorofluoromethane
 Concen: 44.16 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002309.D
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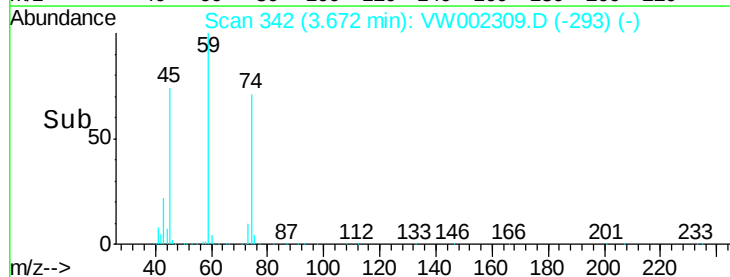
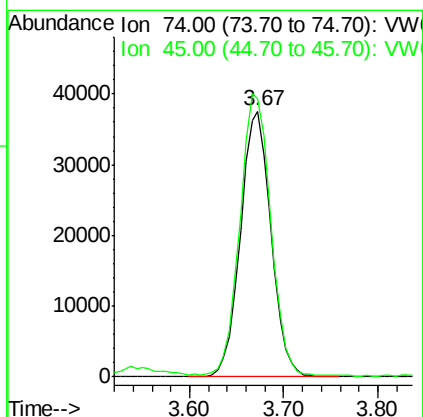
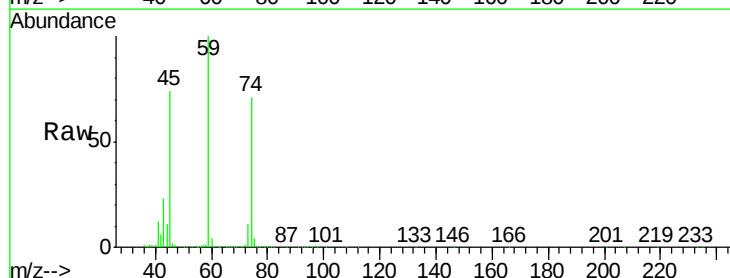
Tot Ion:101 Resp: 54809
 Ion Ratio Lower Upper
 101 100
 103 61.8 54.6 82.0

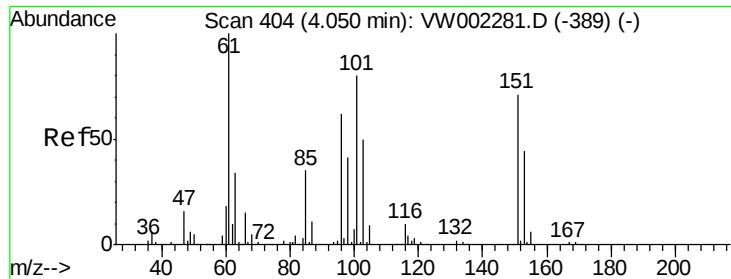


#8

Diethyl Ether
 Concen: 61.28 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion: 74 Resp: 85138
 Ion Ratio Lower Upper
 74 100
 45 107.1 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.90 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

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VSTDCCC050

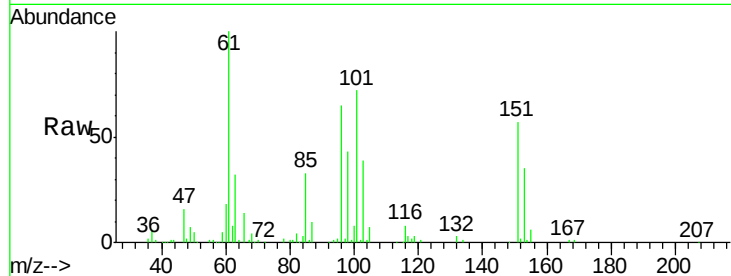
Tot Ion:101 Resp: 104988

Ion Ratio Lower Upper

101 100

85 44.5 35.9 53.9

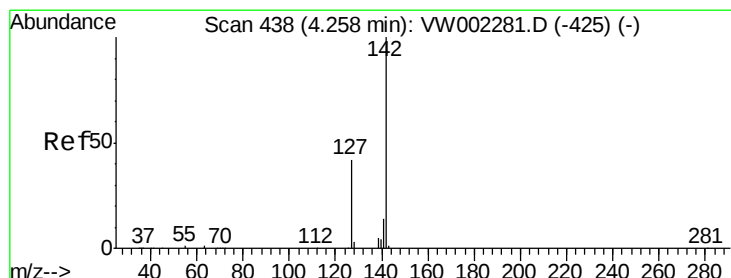
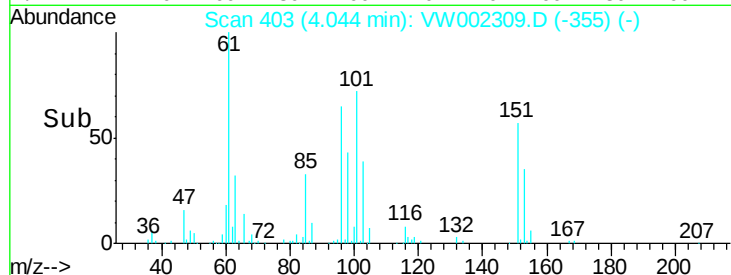
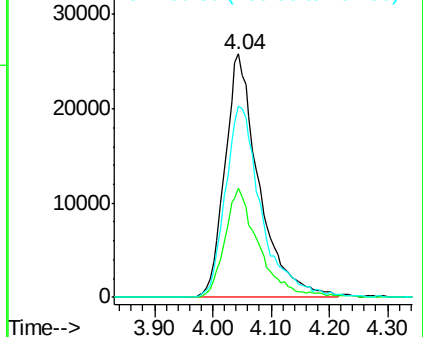
151 82.2 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.04 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

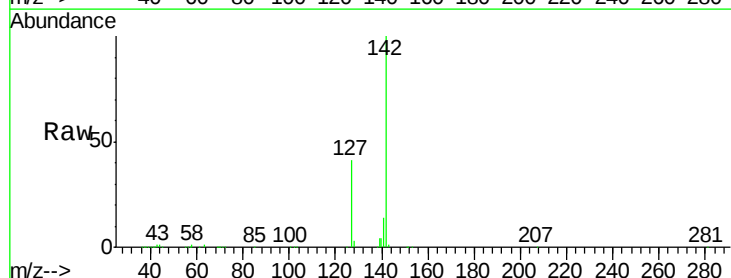
Tgt Ion:142 Resp: 167316

Ion Ratio Lower Upper

142 100

127 43.7 34.7 52.1

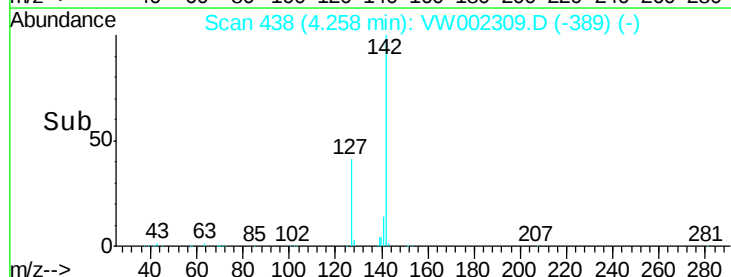
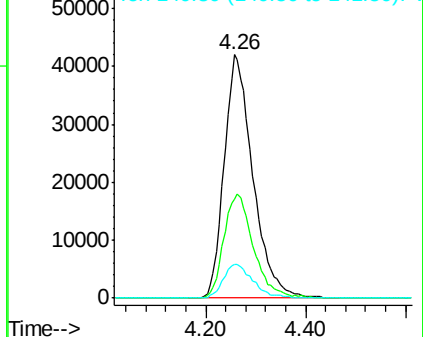
141 14.3 11.9 17.9

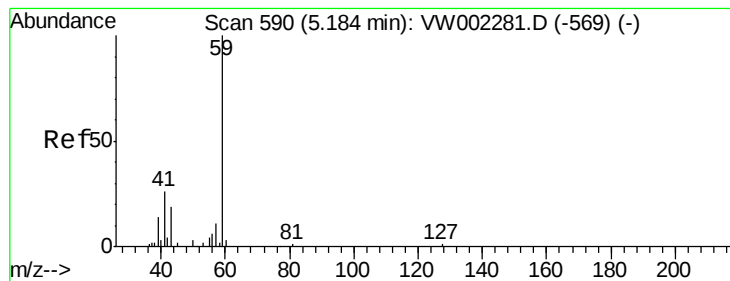


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 226.03 ug/l

RT: 5.18 min Scan# 590

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampled :

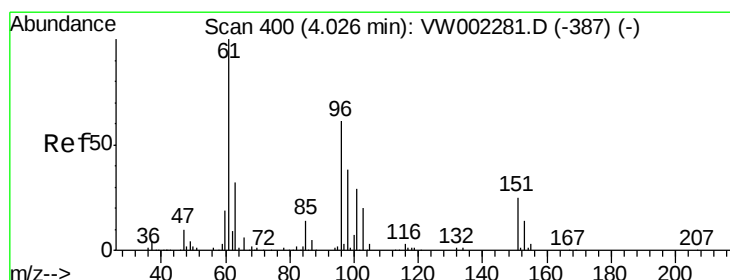
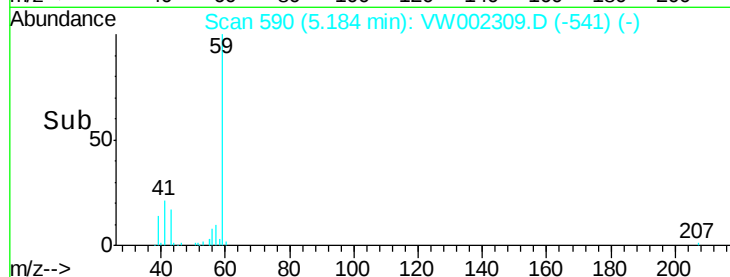
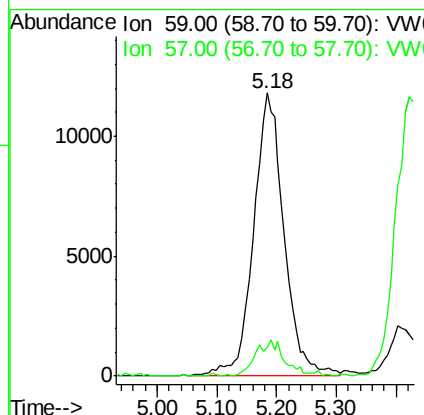
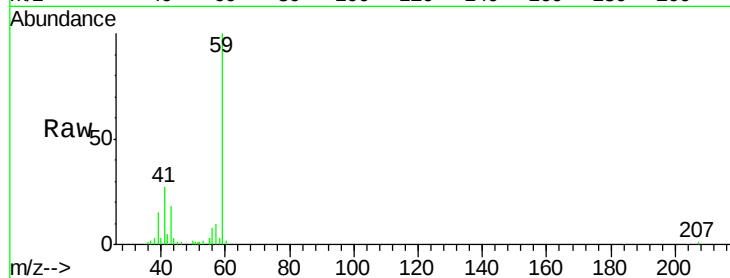
VSTDCCC050

Tot Ion: 59 Resp: 41889

Ion Ratio Lower Upper

59 100

57 11.7 3.9 5.9#



#12

1,1-Dichloroethene

Concen: 47.31 ug/l

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

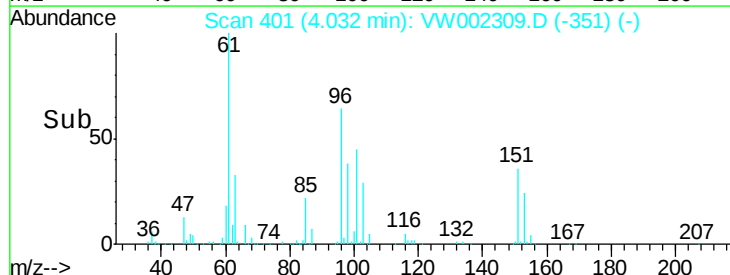
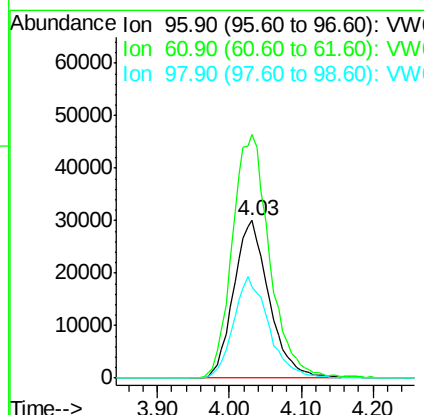
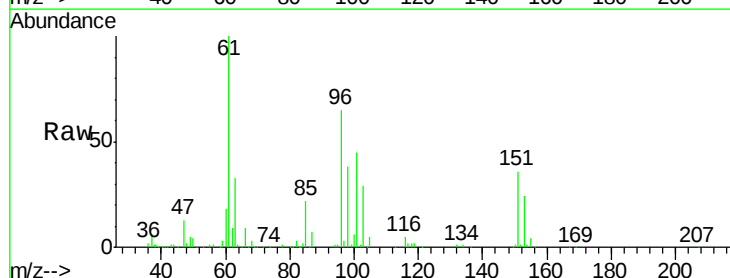
Tgt Ion: 96 Resp: 102824

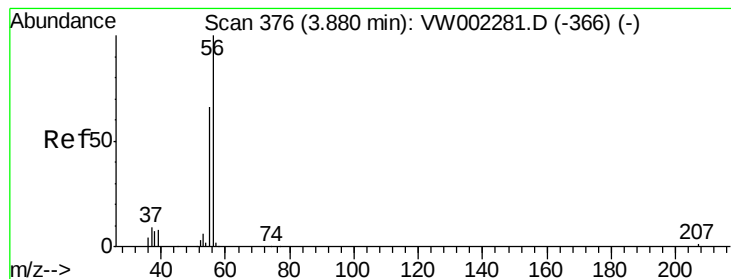
Ion Ratio Lower Upper

96 100

61 154.9 130.6 196.0

98 58.4 49.0 73.4





#13

Acrolein

Concen: 213.10 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampled :

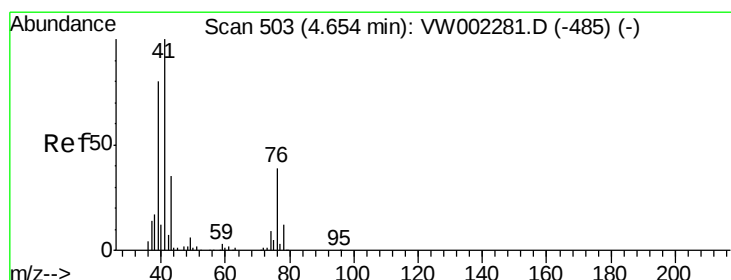
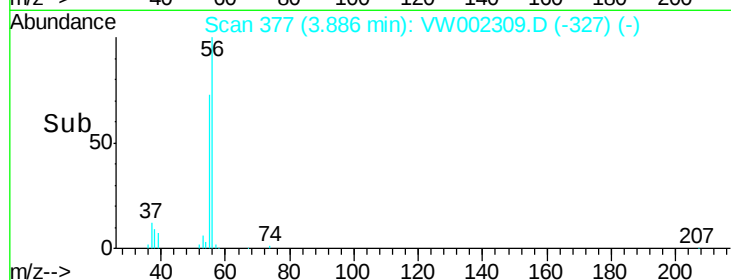
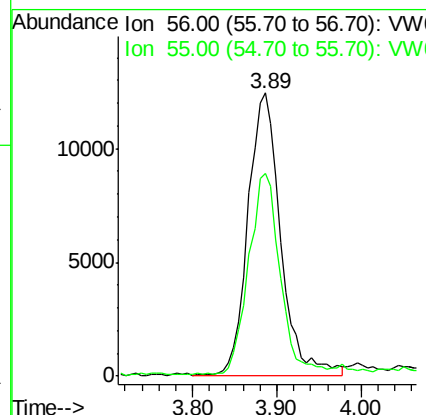
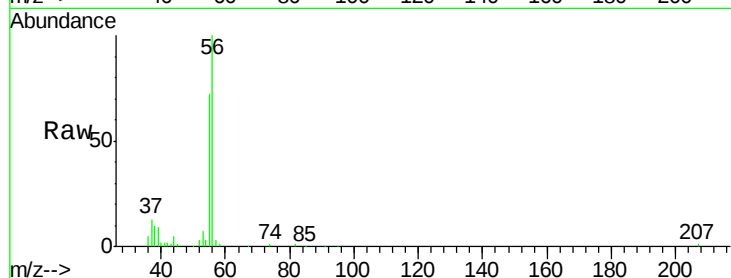
VSTDCCC050

Tot Ion: 56 Resp: 33065

Ion Ratio Lower Upper

56 100

55 67.5 57.3 85.9



#14

Allyl chloride

Concen: 44.22 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

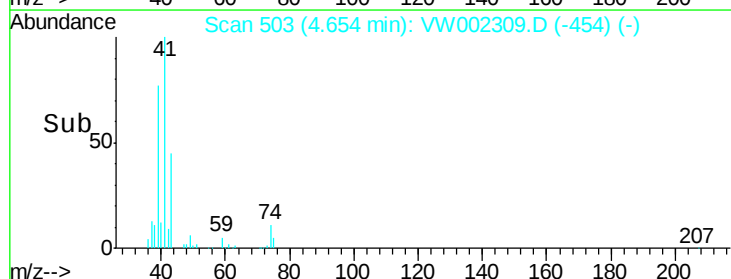
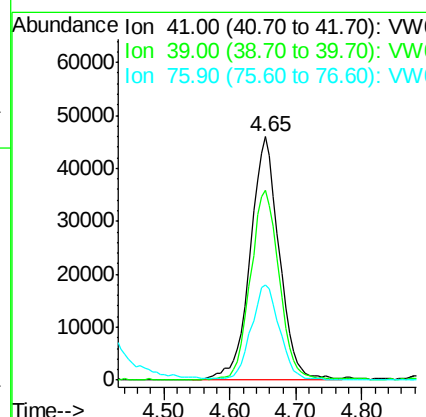
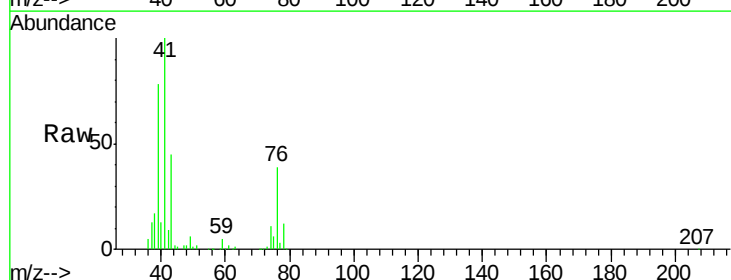
Tgt Ion: 41 Resp: 141212

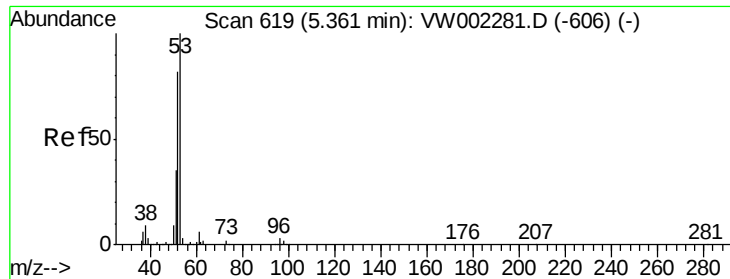
Ion Ratio Lower Upper

41 100

39 76.0 61.7 92.5

76 37.6 29.8 44.6





#15

Acrylonitrile

Concen: 241.31 ug/l

RT: 5.36 min Scan# 619

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

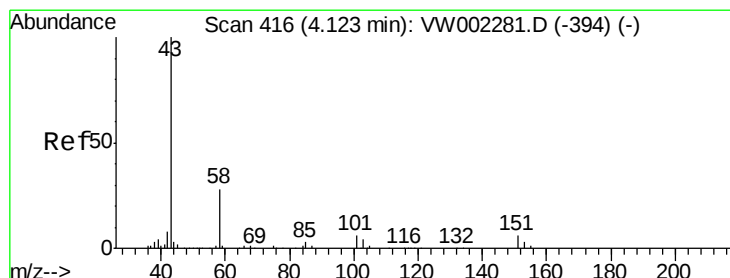
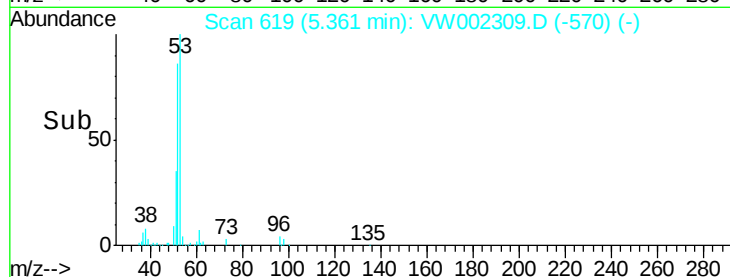
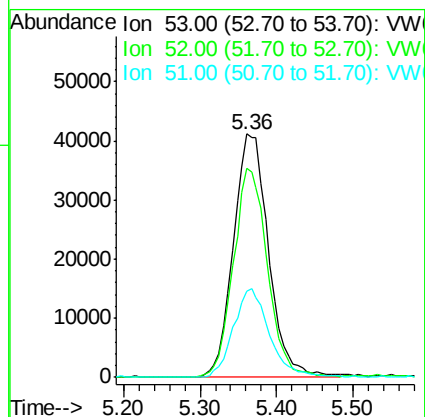
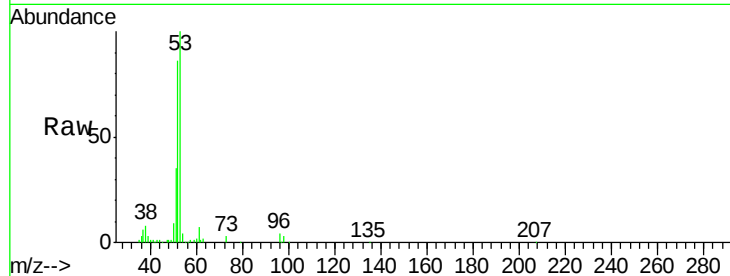
Tot Ion: 53 Resp: 131505

Ion Ratio Lower Upper

53 100

52 83.2 67.9 101.9

51 37.4 30.0 45.0



#16

Acetone

Concen: 250.89 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW002309.D

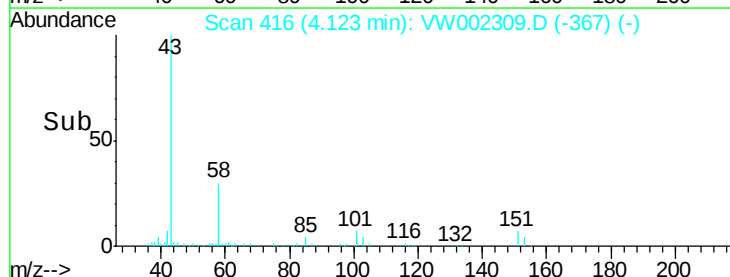
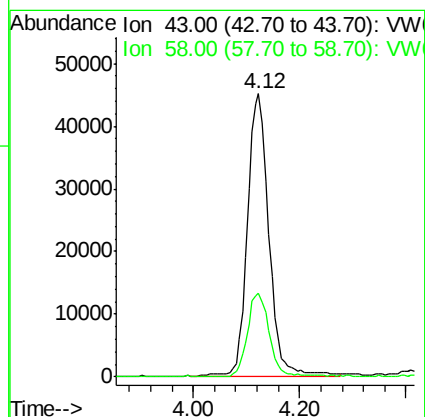
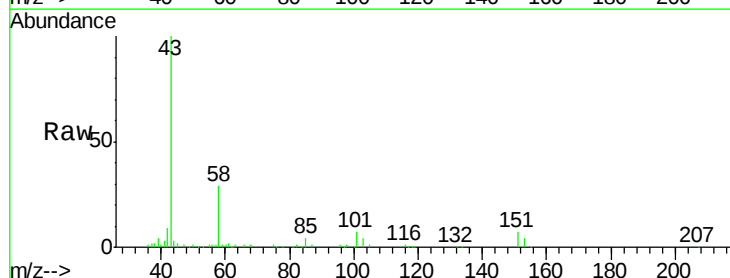
Acq: 08 May 2018 22:44

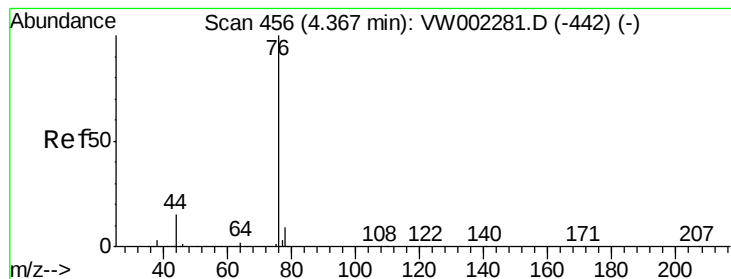
Tgt Ion: 43 Resp: 124931

Ion Ratio Lower Upper

43 100

58 29.3 22.2 33.4





#17

Carbon Disulfide

Concen: 46.46 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

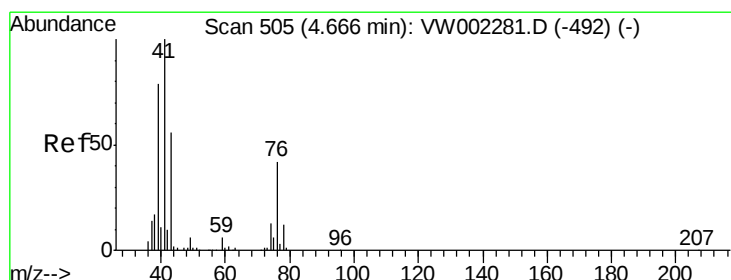
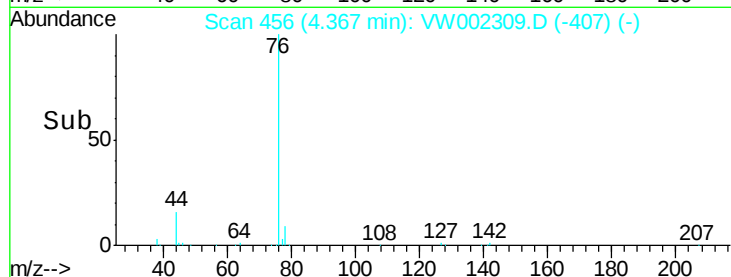
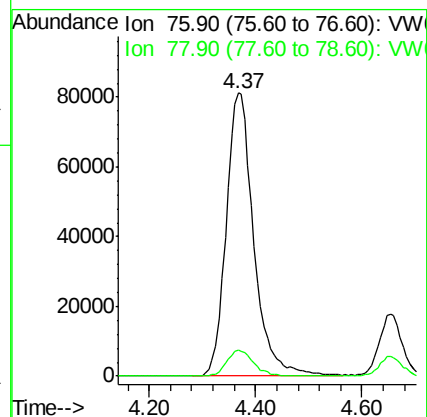
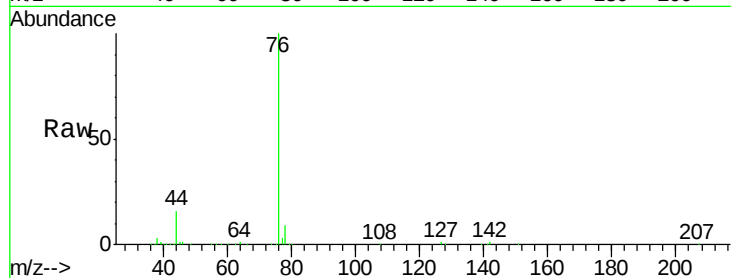
VSTDCCC050

Tot Ion: 76 Resp: 293621

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3



#18

Methyl Acetate

Concen: 49.58 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002309.D

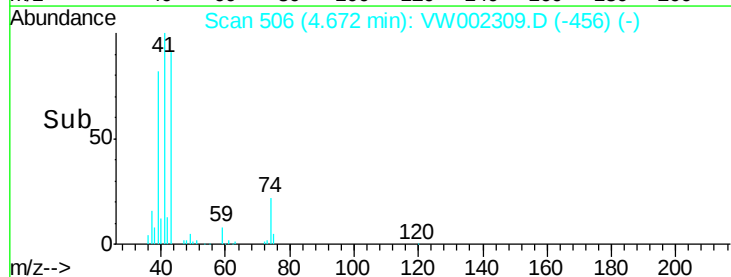
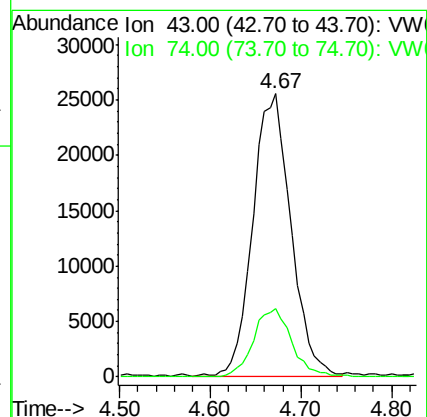
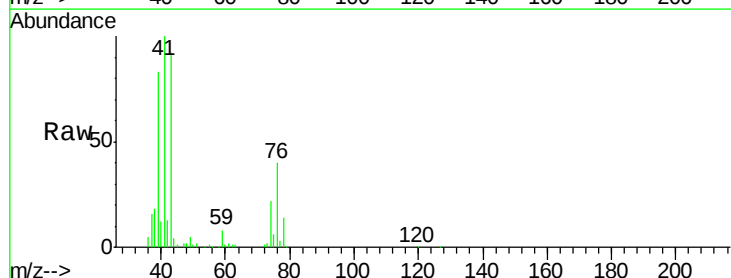
Acq: 08 May 2018 22:44

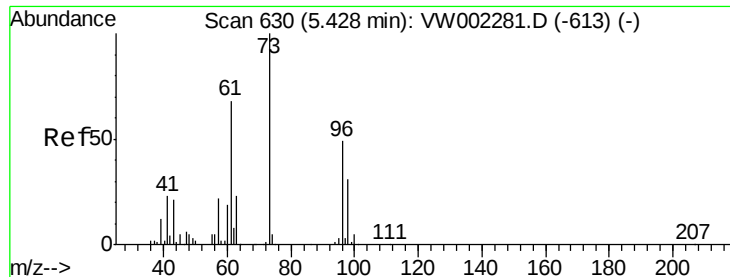
Tgt Ion: 43 Resp: 74076

Ion Ratio Lower Upper

43 100

74 24.3 19.4 29.2

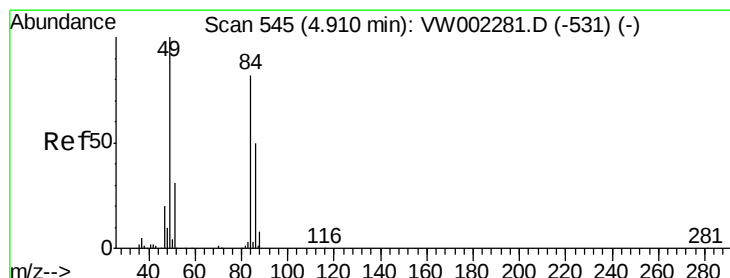
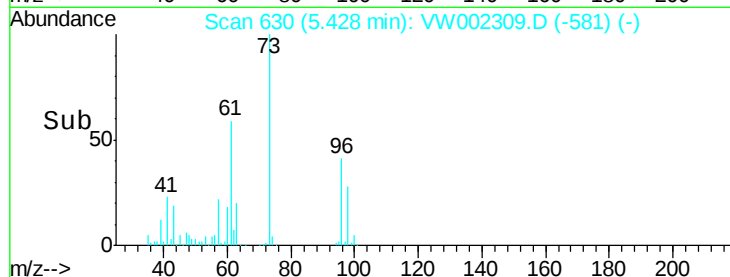
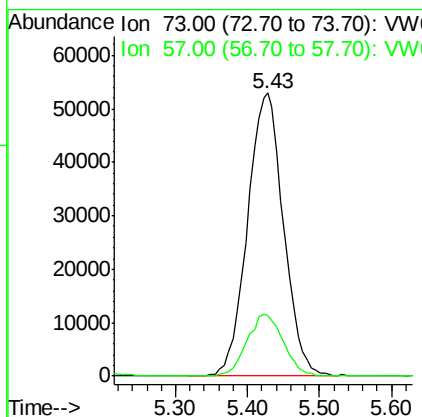
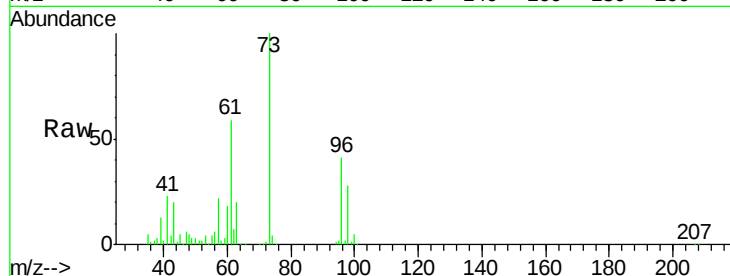




#19
Methvl tert-butvl Ether
Concen: 48.17 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

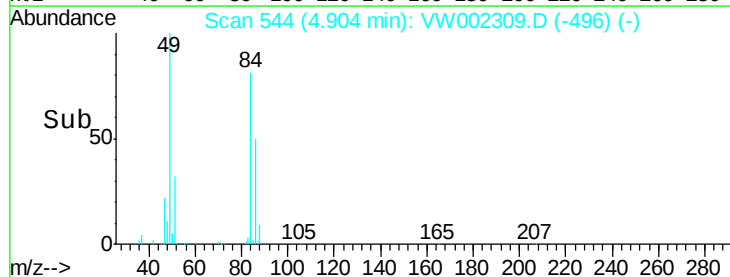
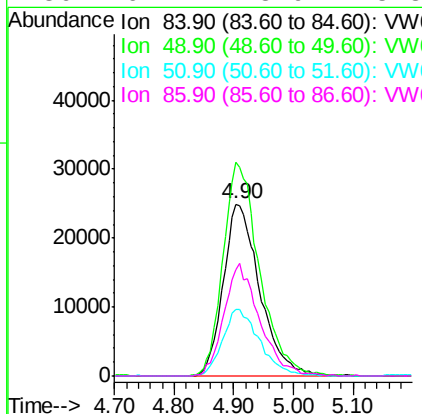
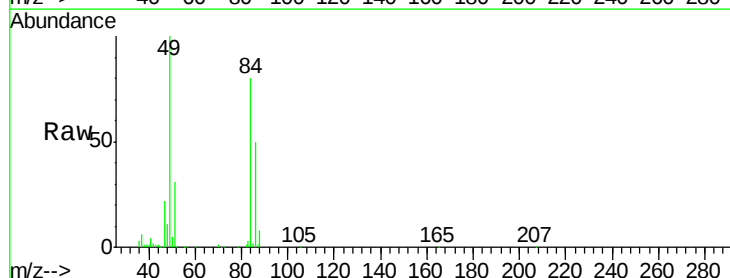
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

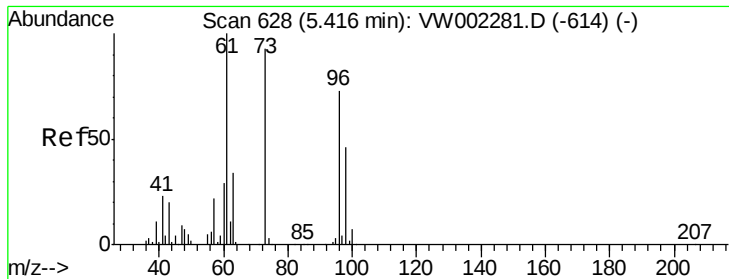
Tot Ion: 73 Resp: 183034
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5



#20
Methylene Chloride
Concen: 44.26 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 84 Resp: 106260
Ion Ratio Lower Upper
84 100
49 124.3 97.7 146.5
51 38.9 30.2 45.4
86 62.2 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 47.58 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

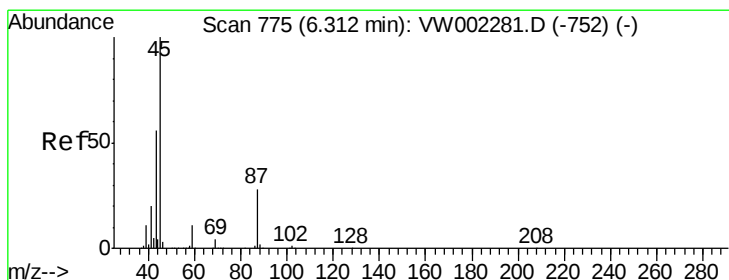
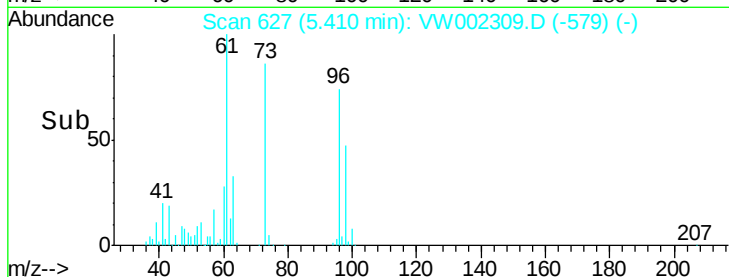
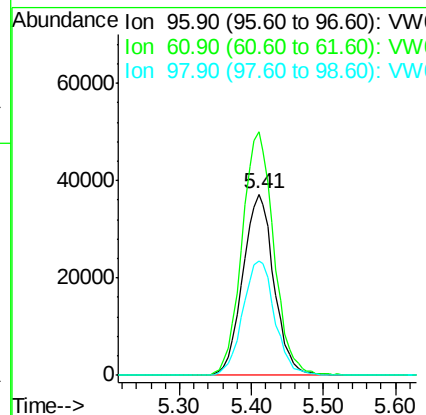
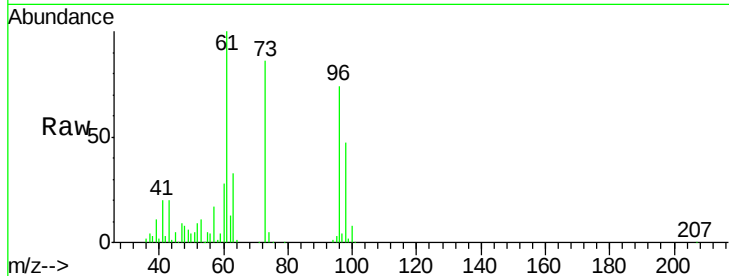
Tot Ion: 96 Resp: 111625

Ion Ratio Lower Upper

96 100

61 134.2 109.5 164.3

98 62.7 50.2 75.4



#22

Diisopropyl ether

Concen: 46.78 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Tgt Ion: 45 Resp: 327505

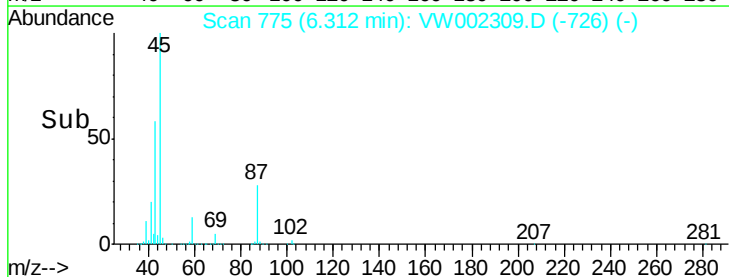
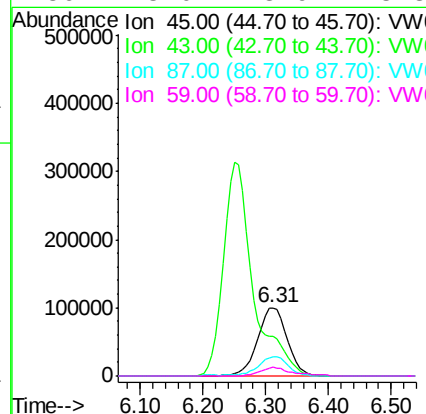
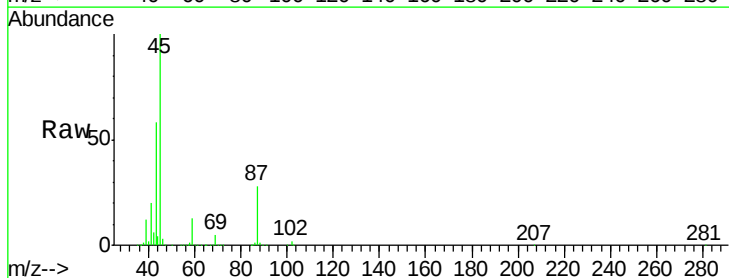
Ion Ratio Lower Upper

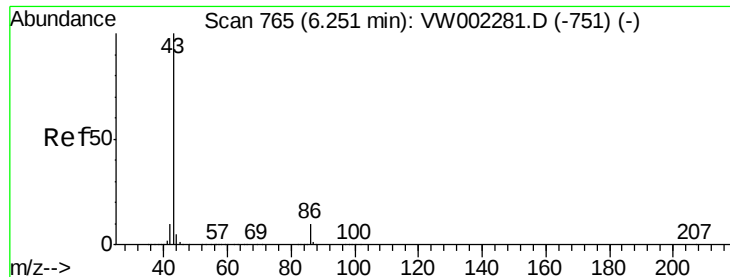
45 100

43 58.2 44.5 66.7

87 28.0 22.2 33.4

59 13.0 8.9 13.3





#23

Vinyl Acetate

Concen: 245.61 ug/l

RT: 6.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

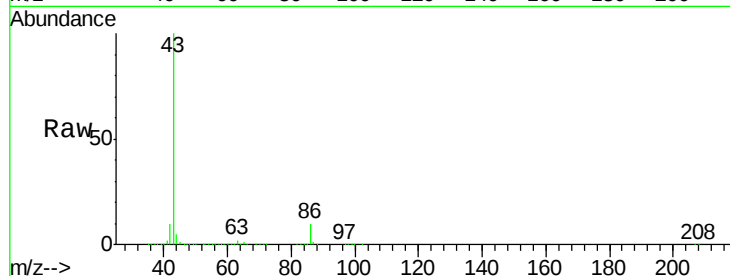
VSTDCCC050

Tot Ion: 43 Resp: 1029672

Ion Ratio Lower Upper

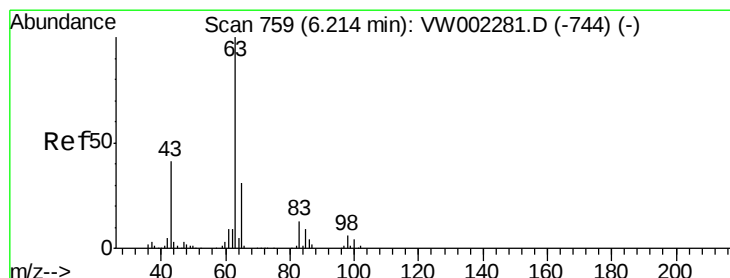
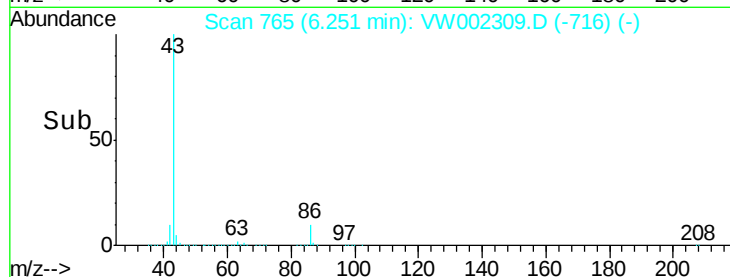
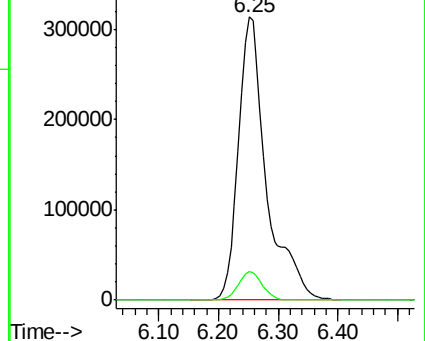
43 100

86 10.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.52 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

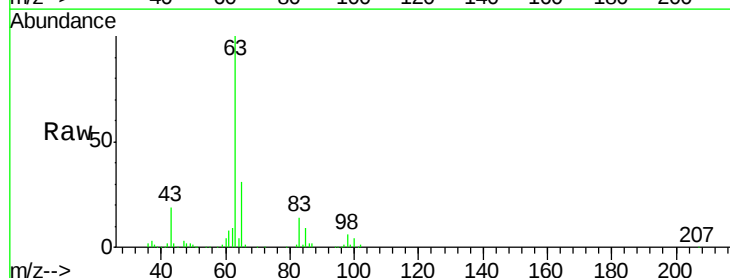
Tgt Ion: 63 Resp: 201682

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

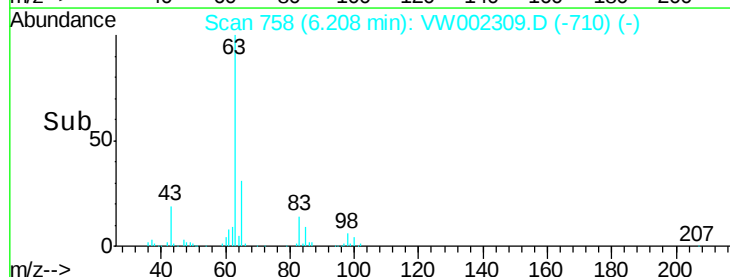
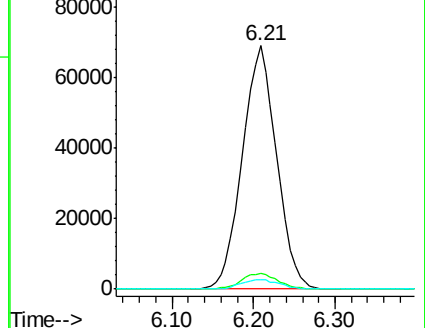
100 3.9 2.0 6.0

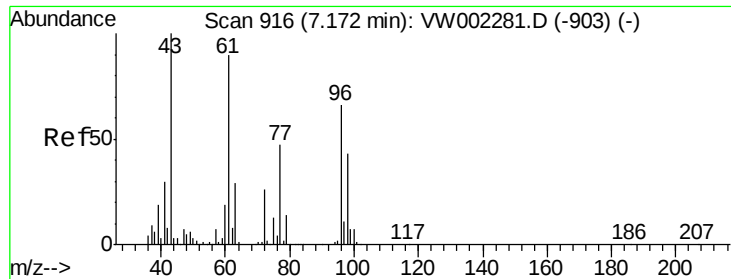


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 249.92 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

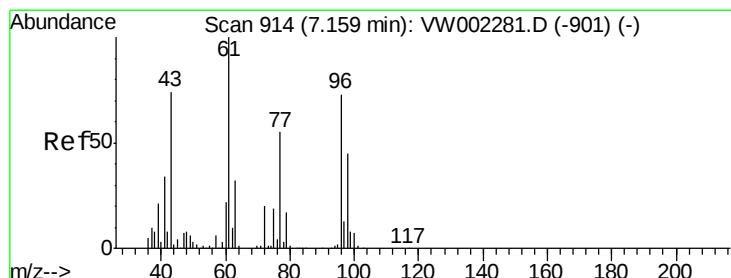
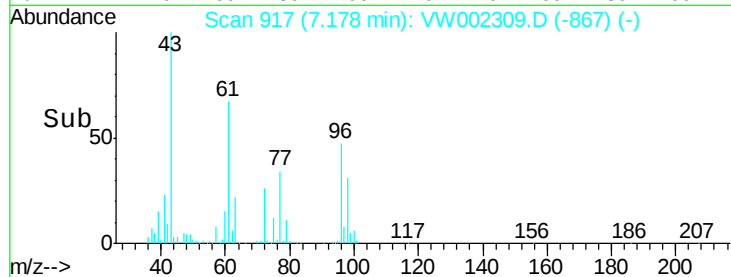
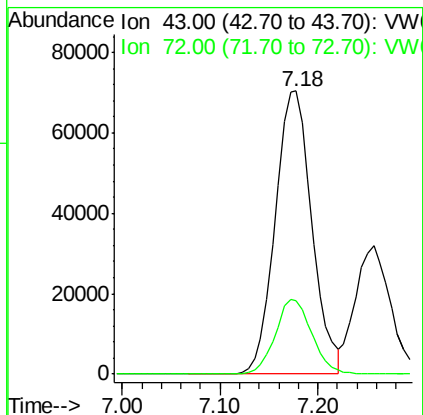
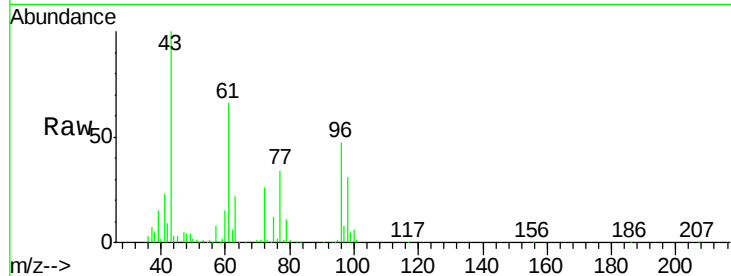
VSTDCCC050

Tot Ion: 43 Resp: 184789

Ion Ratio Lower Upper

43 100

72 25.9 20.6 31.0



#26

2,2-Dichloropropane

Concen: 46.58 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW002309.D

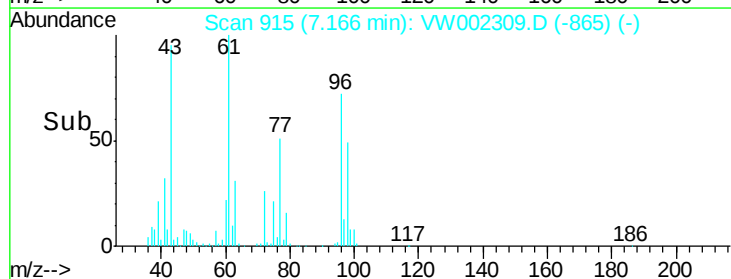
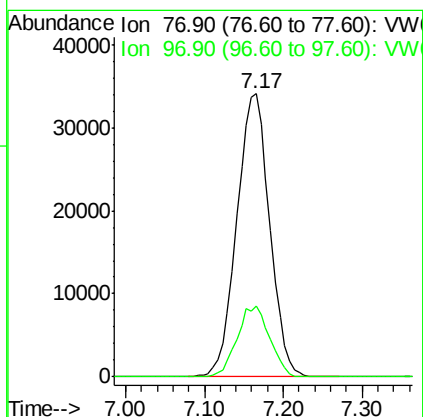
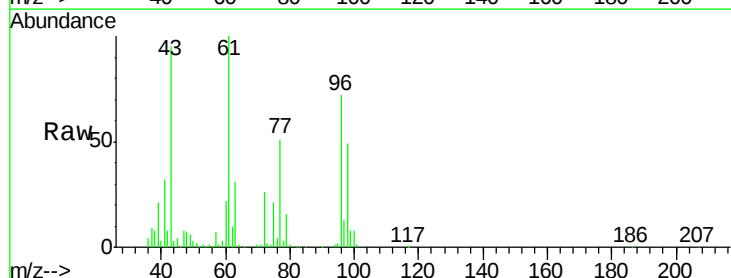
Acq: 08 May 2018 22:44

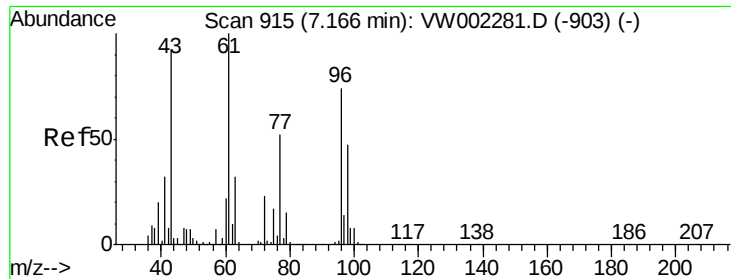
Tgt Ion: 77 Resp: 98557

Ion Ratio Lower Upper

77 100

97 24.9 12.7 38.0



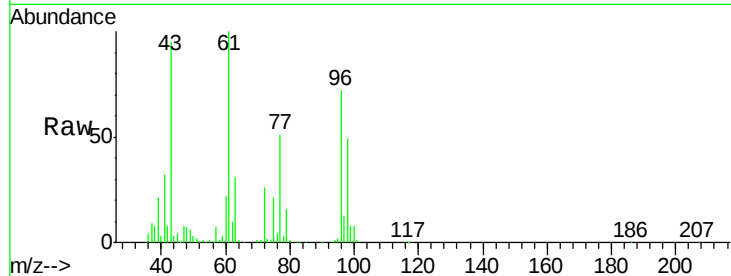


#27

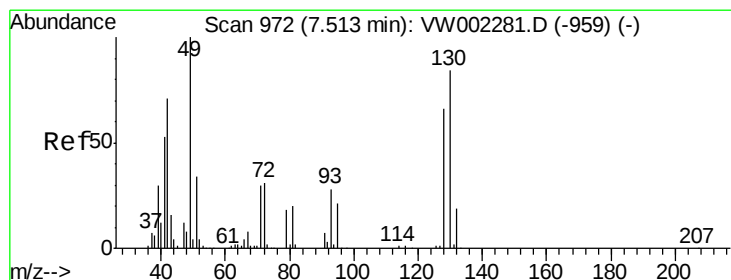
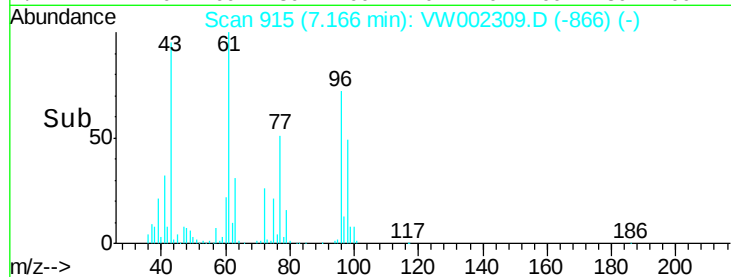
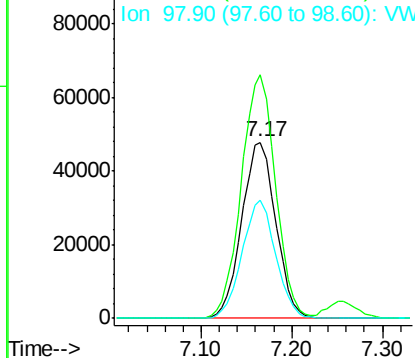
cis-1,2-Dichloroethene
 Concen: 47.10 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 124537
 Ion Ratio Lower Upper
 96 100
 61 139.0 0.0 274.8
 98 66.1 0.0 128.4



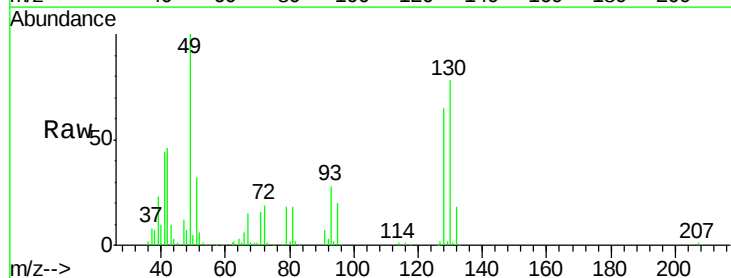
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



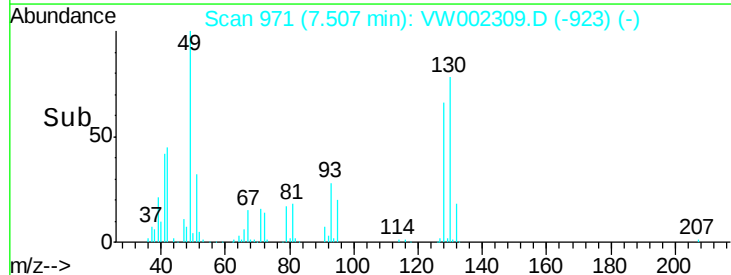
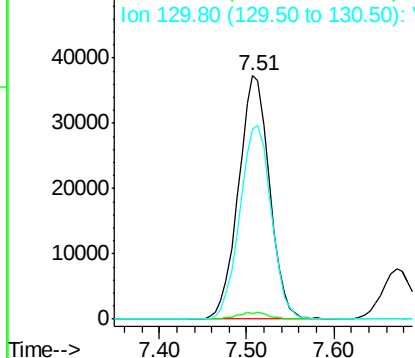
#28

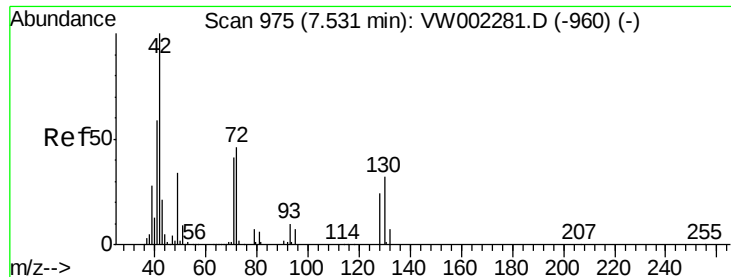
Bromochloromethane
 Concen: 47.90 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion: 49 Resp: 91958
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 2.4#
 130 80.7 65.5 98.3



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

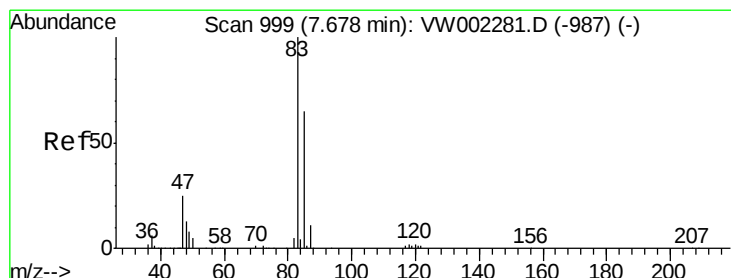
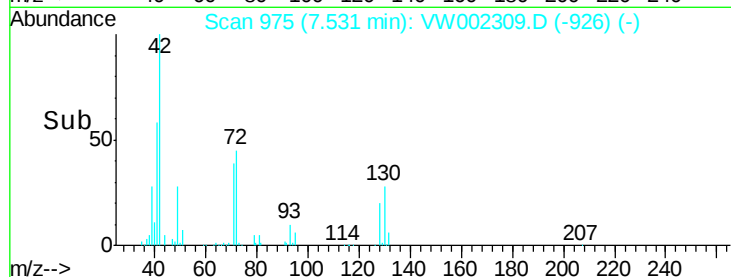
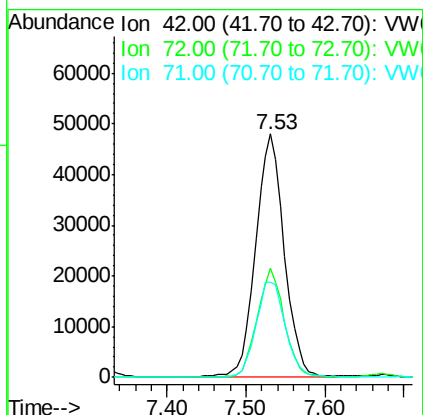
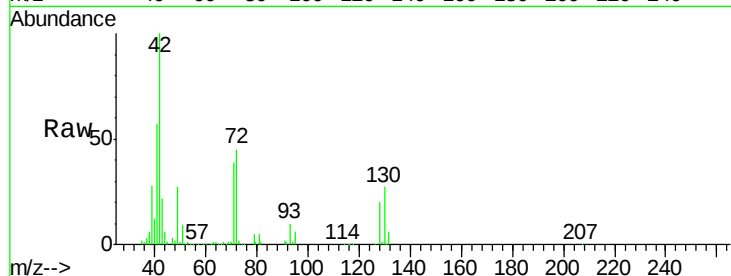




#29
Tetrahydrofuran
Concen: 249.31 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

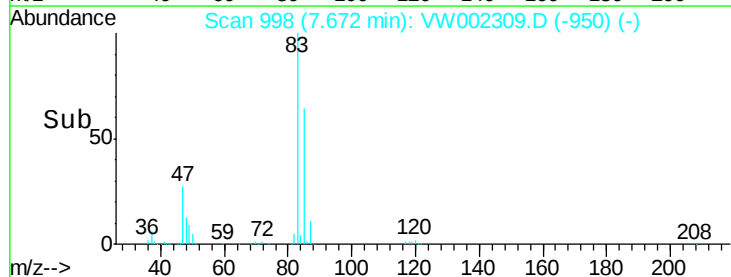
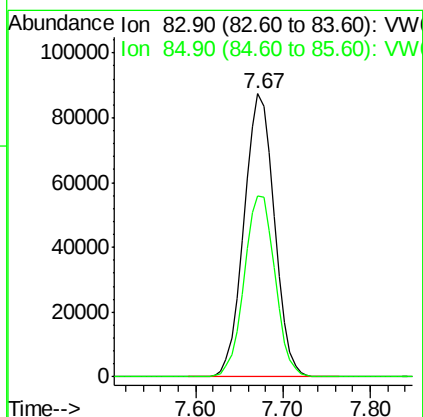
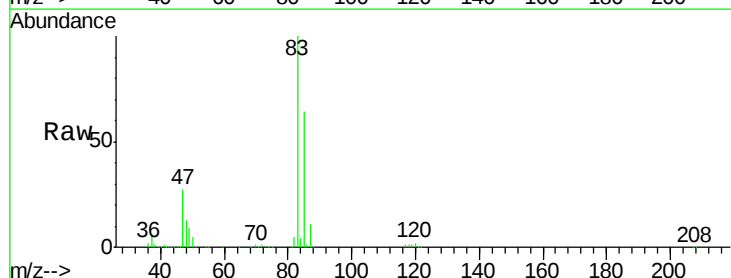
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

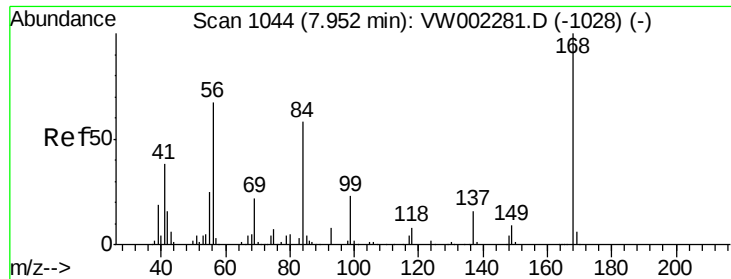
Tot Ion: 42 Resp: 120898
Ion Ratio Lower Upper
42 100
72 42.3 34.5 51.7
71 40.5 33.0 49.6



#30
Chloroform
Concen: 47.36 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 83 Resp: 210506
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.6

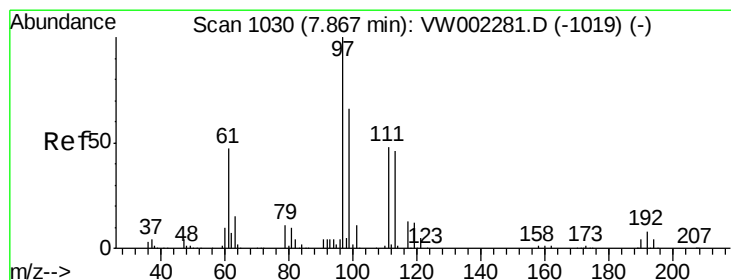
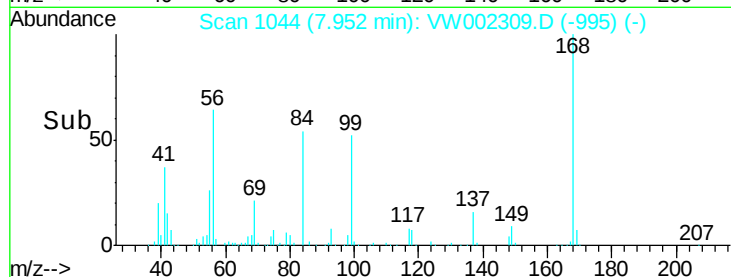
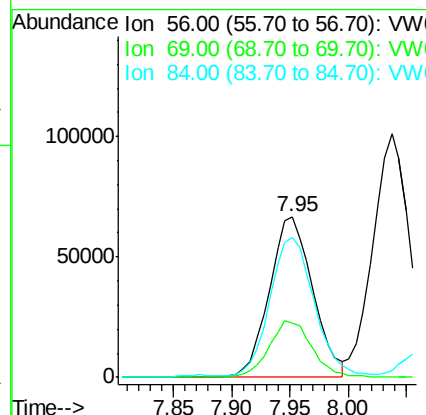
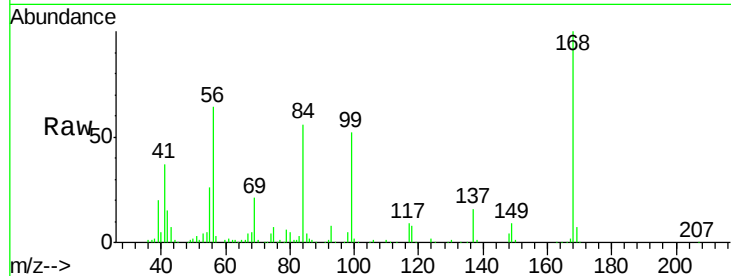




#31
Cyclohexane
Concen: 45.47 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

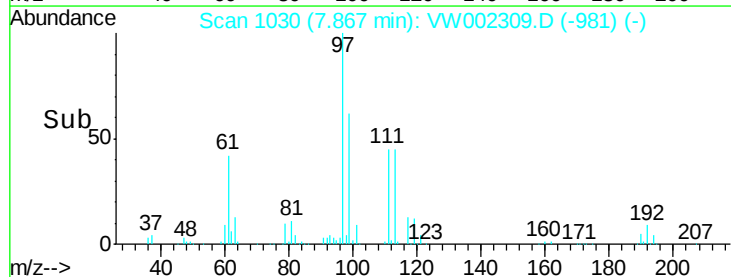
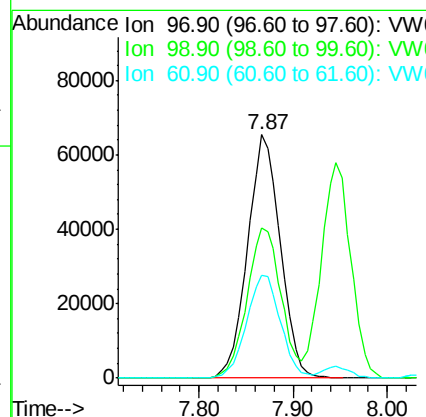
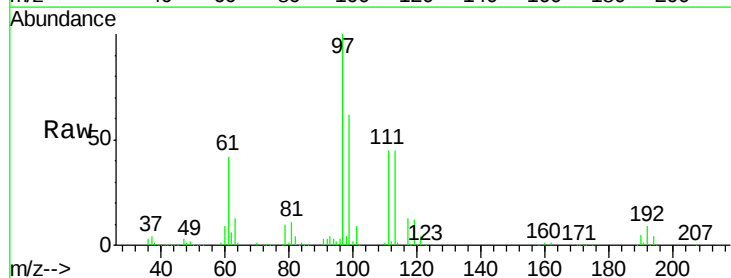
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

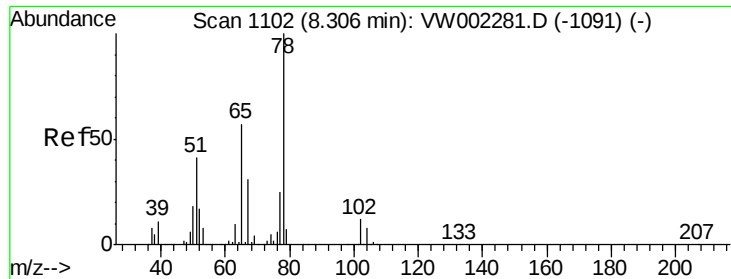
Tot Ion: 56 Resp: 172294
Ion Ratio Lower Upper
56 100
69 33.5 26.2 39.4
84 86.0 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 47.75 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 97 Resp: 159478
Ion Ratio Lower Upper
97 100
99 64.4 52.6 79.0
61 44.0 35.6 53.4

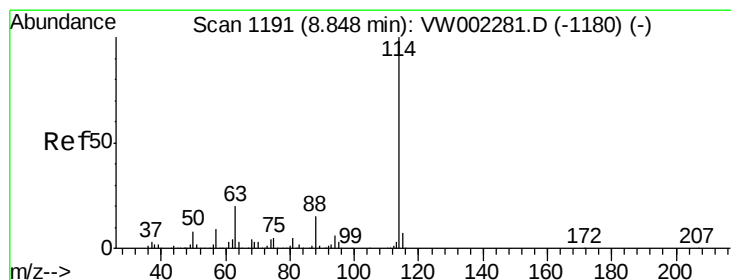
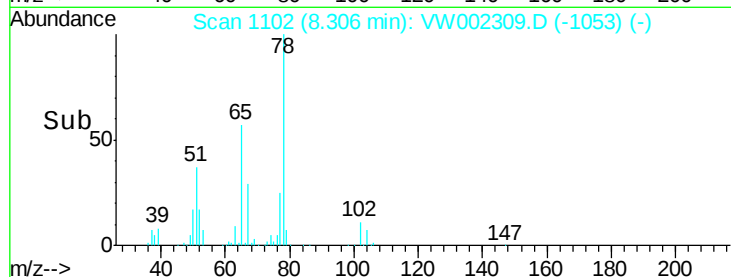
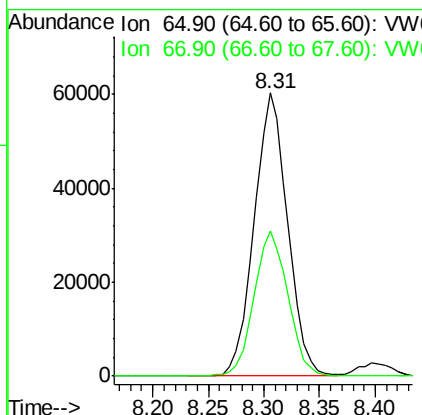
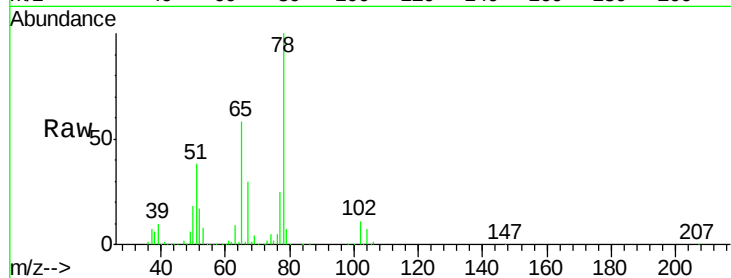




#33
 1,2-Dichloroethane-d4
 Concen: 49.49 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

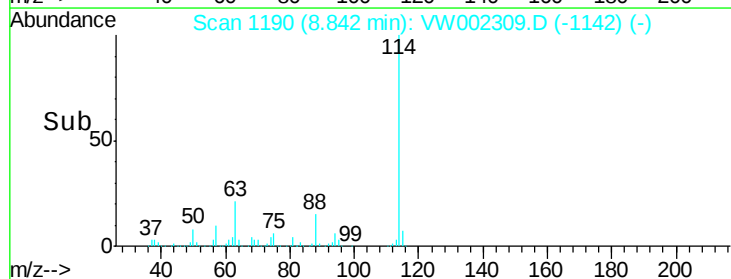
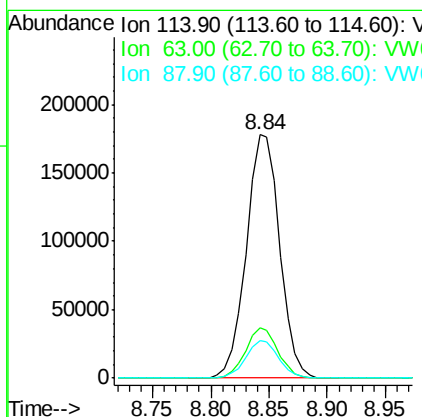
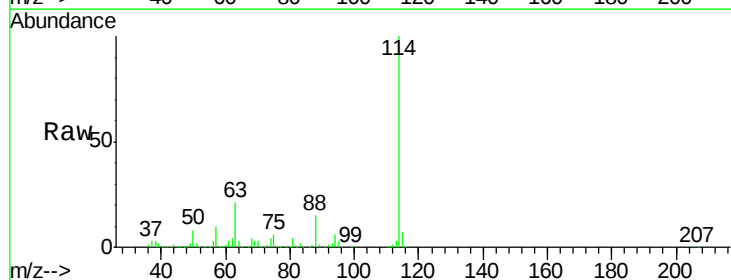
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

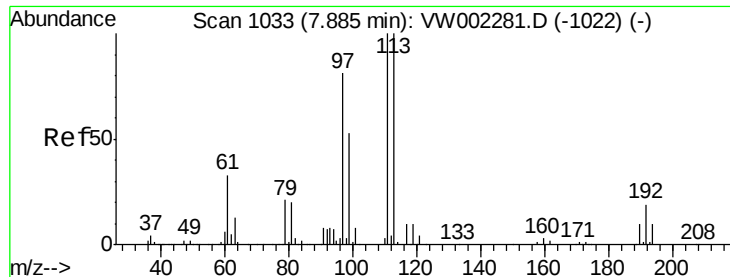
Tot Ion: 65 Resp: 126175
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion: 114 Resp: 354968
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.0
 88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.59 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

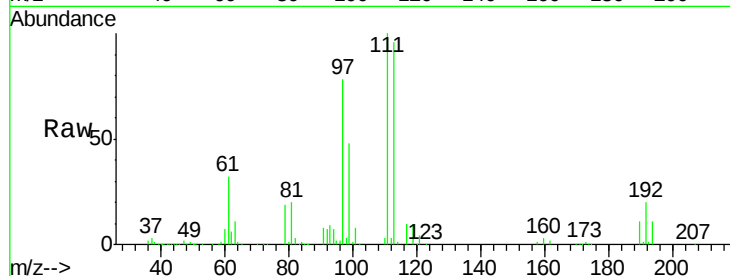
Tot Ion:113 Resp: 117375

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

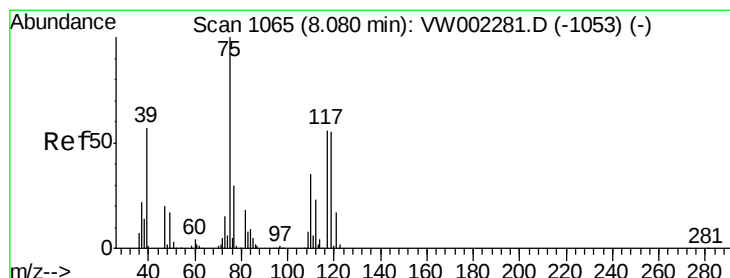
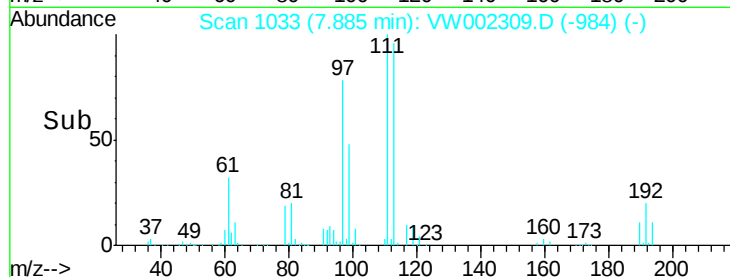
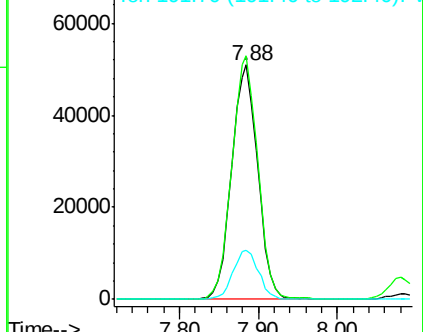
192 20.5 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.02 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

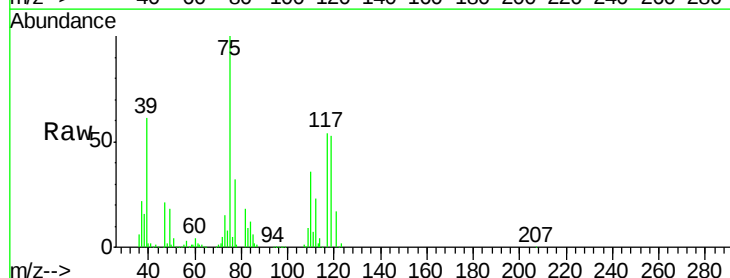
Tgt Ion: 75 Resp: 160593

Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.1

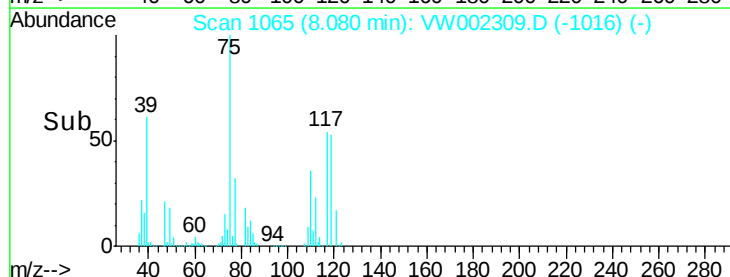
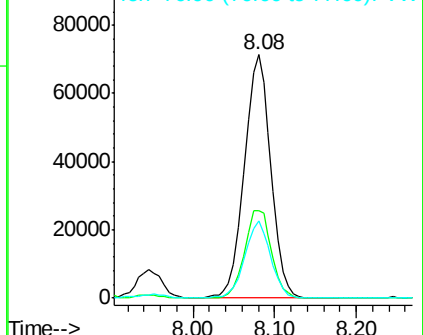
77 31.0 24.5 36.7

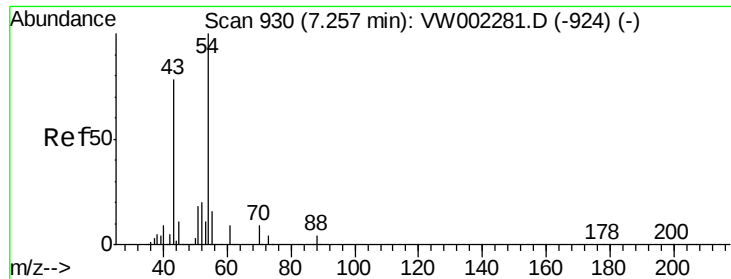


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

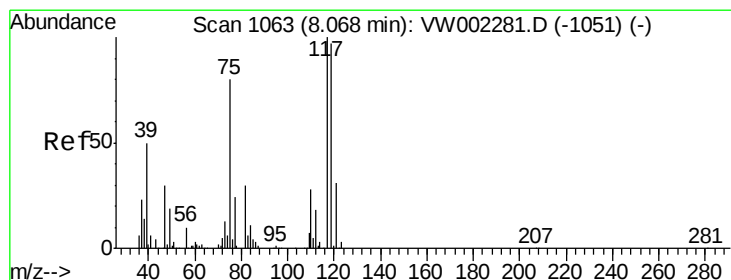
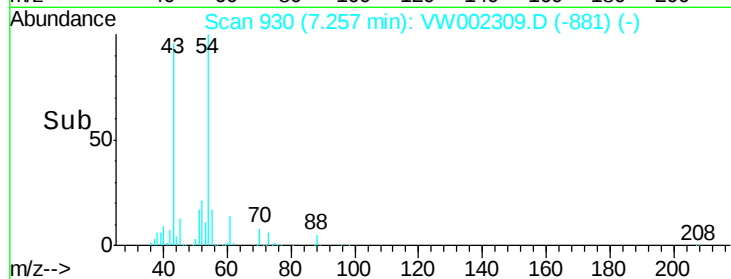
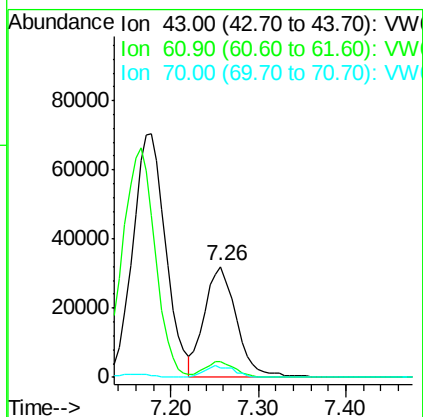
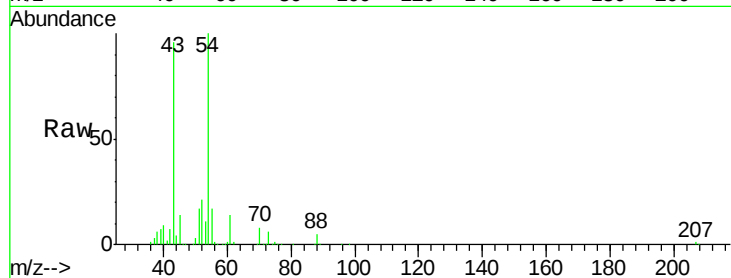




#37
Ethyl Acetate
Concen: 52.02 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

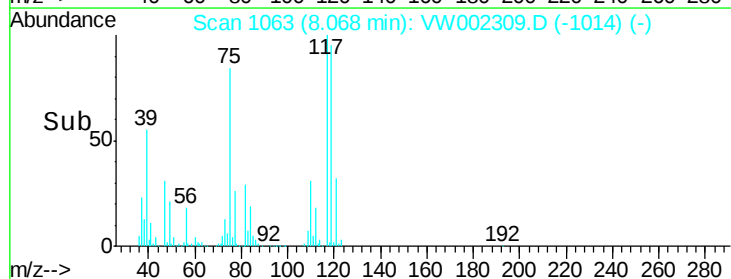
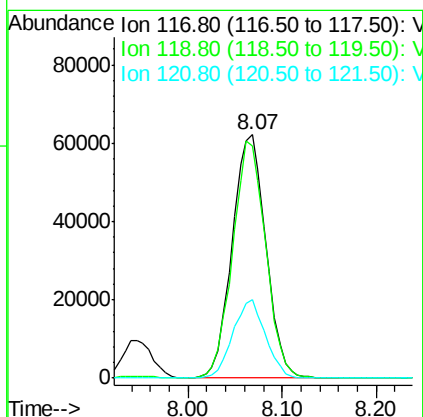
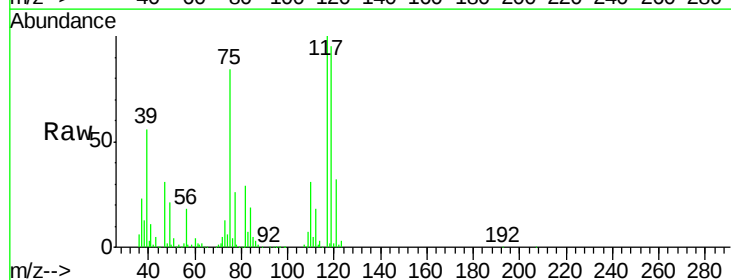
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

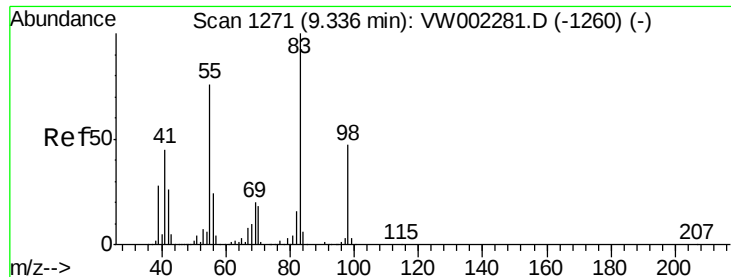
Tot Ion: 43 Resp: 81378
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 9.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 49.95 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 117 Resp: 155071
Ion Ratio Lower Upper
117 100
119 95.4 77.5 116.3
121 32.3 24.4 36.6

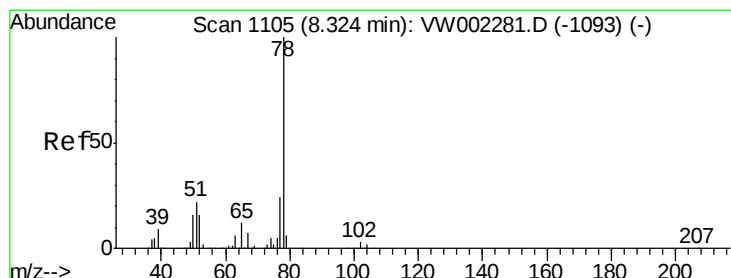
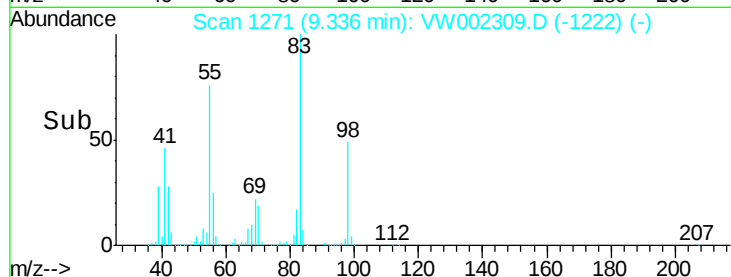
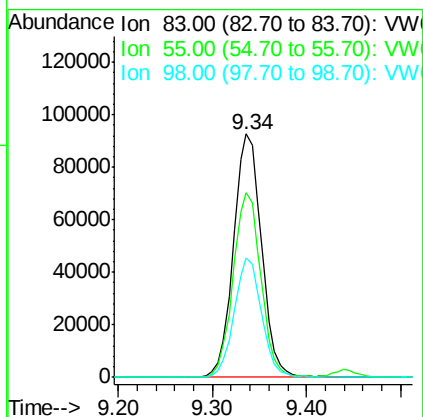
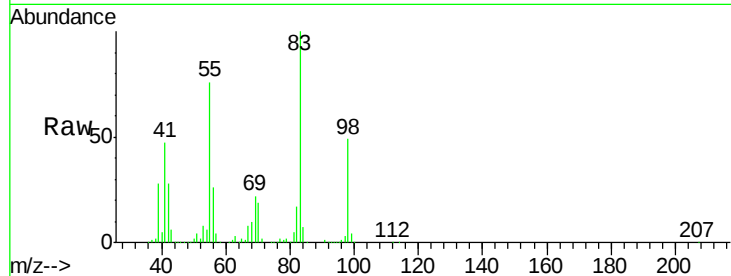




#39
Methvlcvclohexane
Concen: 51.19 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

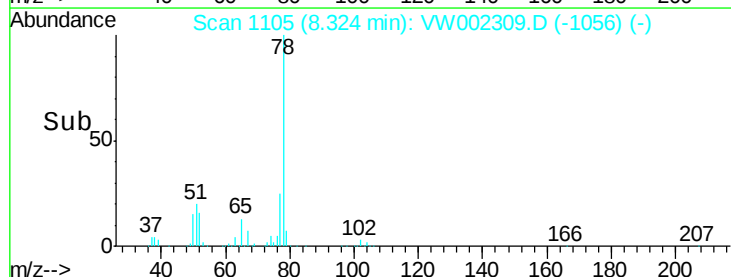
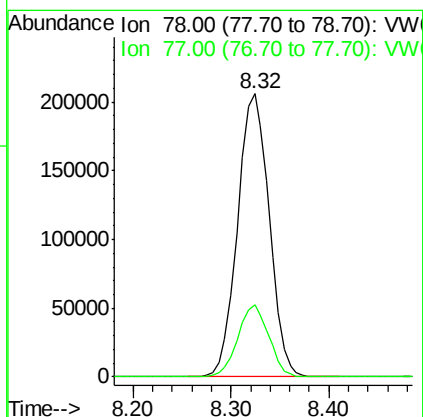
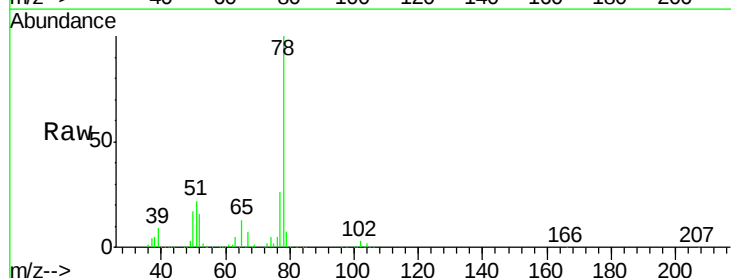
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

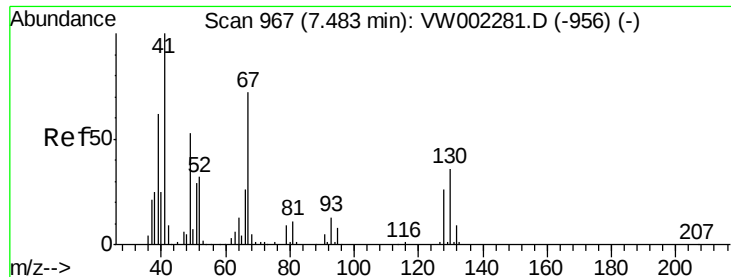
Tot Ion: 83 Resp: 191796
Ion Ratio Lower Upper
83 100
55 75.9 60.6 91.0
98 49.2 37.4 56.0



#40
Benzene
Concen: 49.21 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 78 Resp: 461783
Ion Ratio Lower Upper
78 100
77 25.6 19.3 28.9

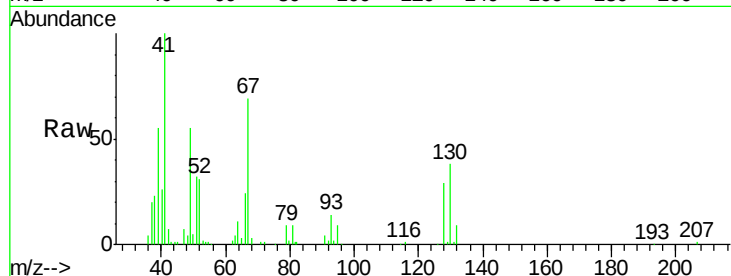




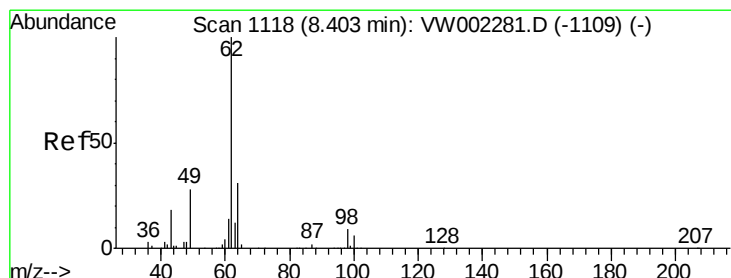
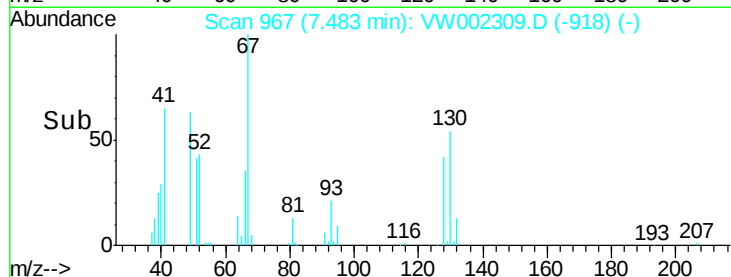
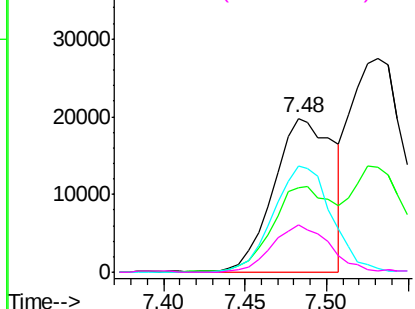
#41
Methacrylonitrile
Concen: 56.14 ug/l
RT: 7.48 min Scan# 967
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	50328
Ion	Ratio	Lower	Upper
41	100		
39	56.5	40.2	60.4
67	67.5	54.7	82.1
52	30.8	23.6	35.4

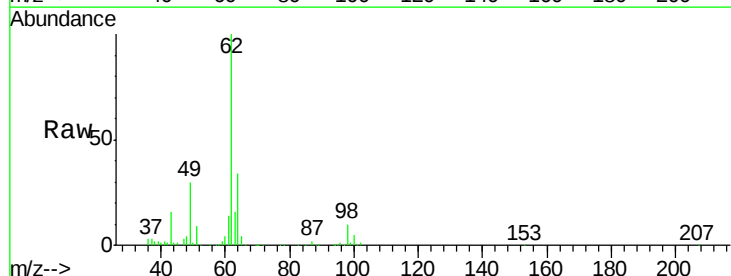


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

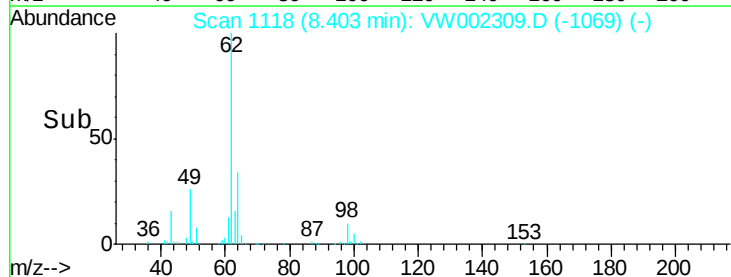
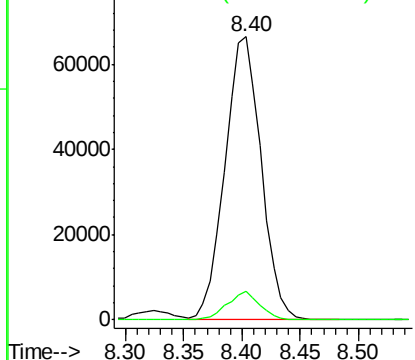


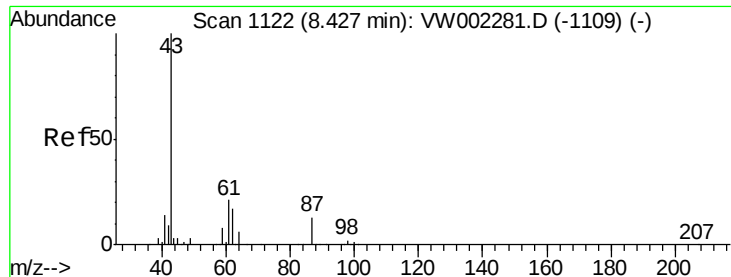
#42
1,2-Dichloroethane
Concen: 49.06 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion:	62	Resp:	143583
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW



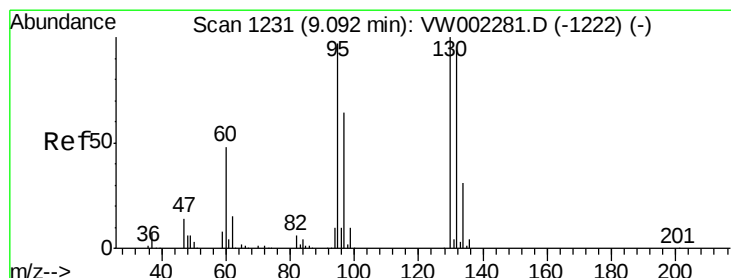
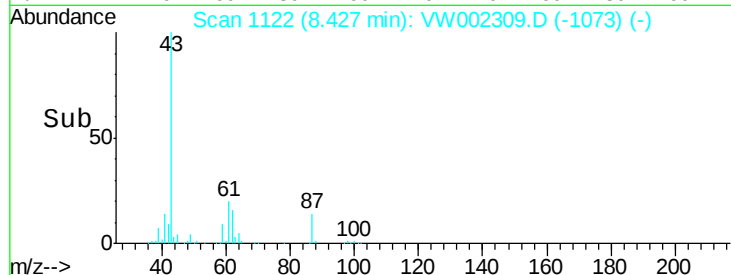
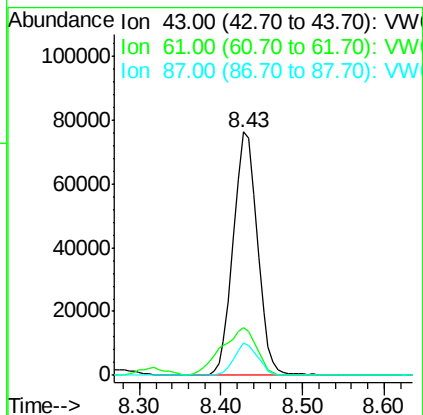
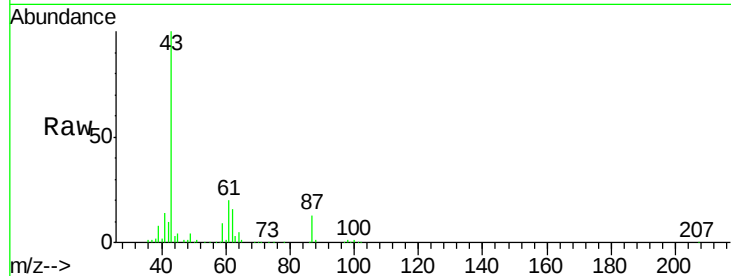


#43

Isopropyl Acetate
 Concen: 52.37 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

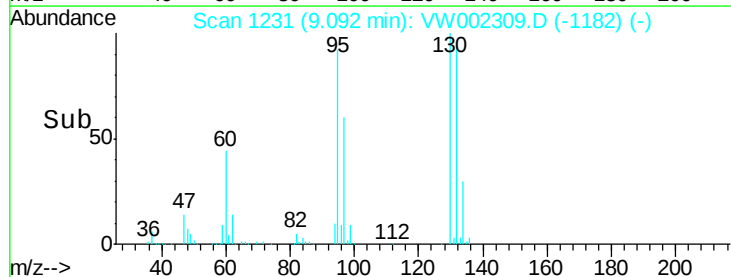
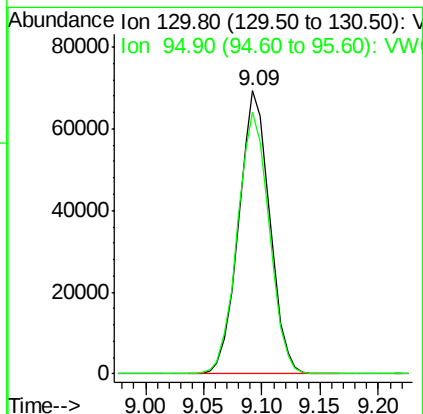
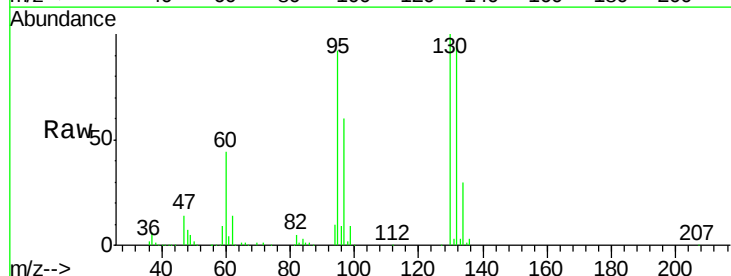
Tot Ion	43	Resp	155448
Ion Ratio	Lower	Upper	
43	100		
61	28.5	23.7	35.5
87	13.1	10.7	16.1

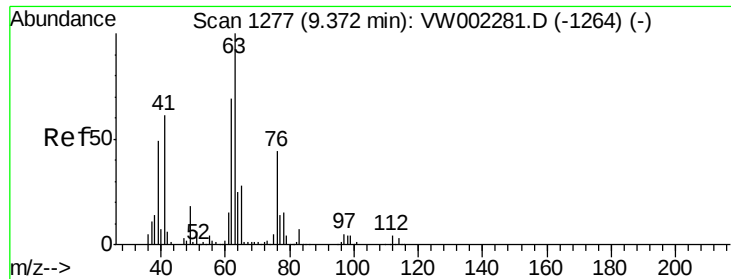


#44

Trichloroethene
 Concen: 50.35 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion	130	Resp	128801
Ion Ratio	Lower	Upper	
130	100		
95	92.5	0.0	193.4

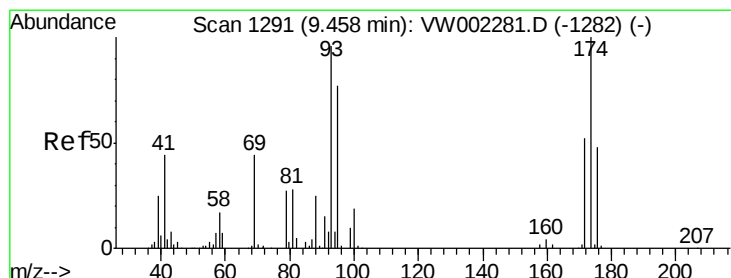
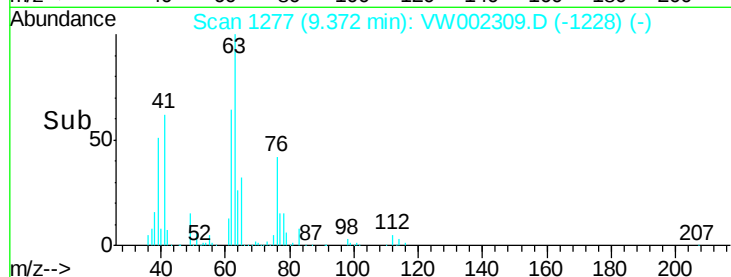
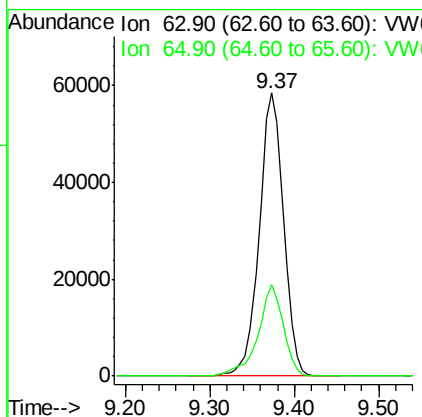
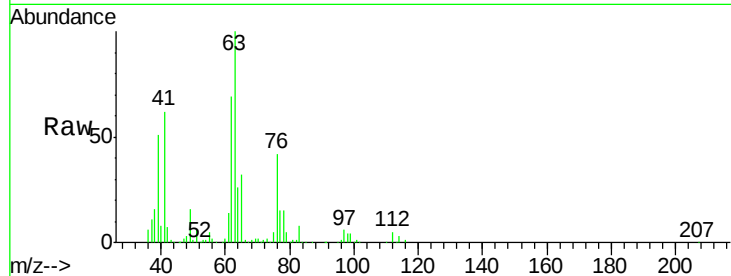




#45
 1,2-Dichloropropane
 Concen: 49.43 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

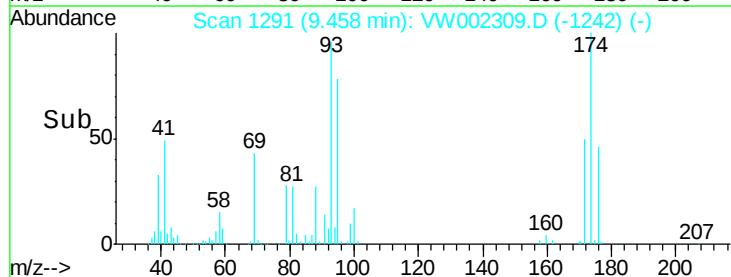
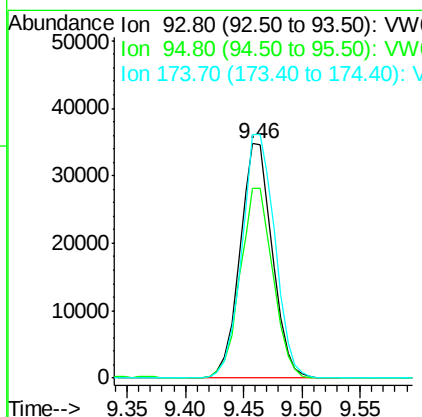
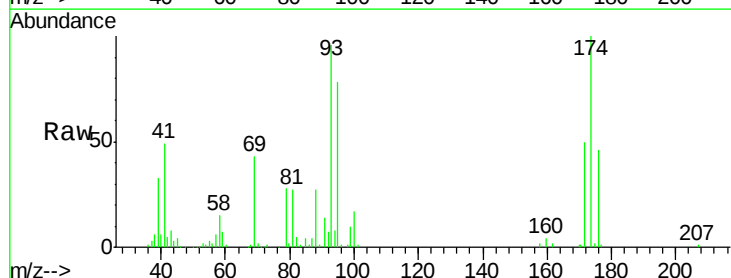
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

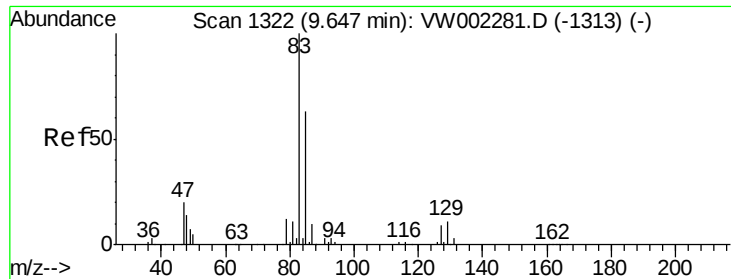
Tot Ion: 63 Resp: 116206
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.9 34.3



#46
 Dibromomethane
 Concen: 51.28 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion: 93 Resp: 67391
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.4 99.6
 174 106.3 86.8 130.2

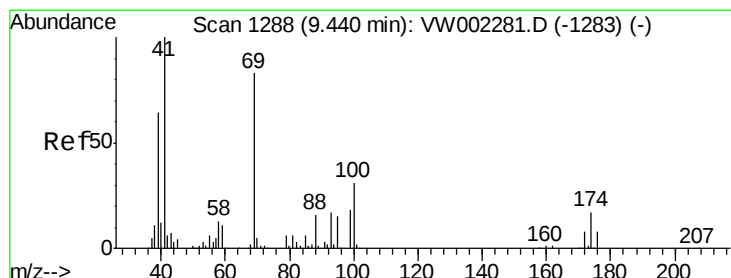
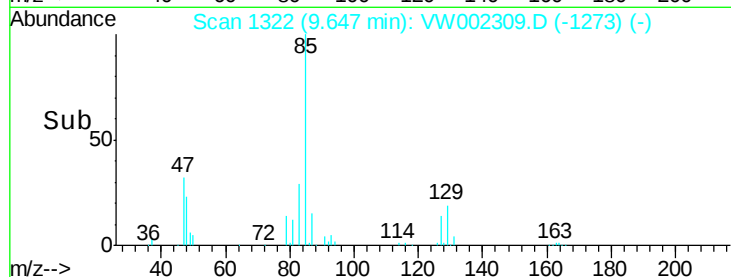
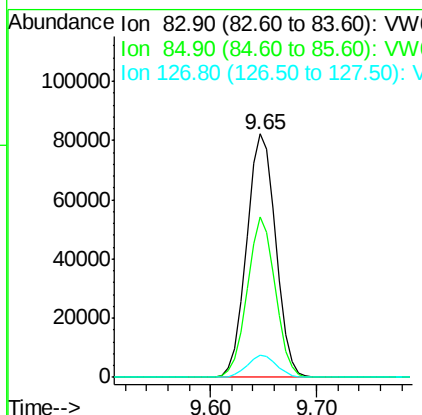
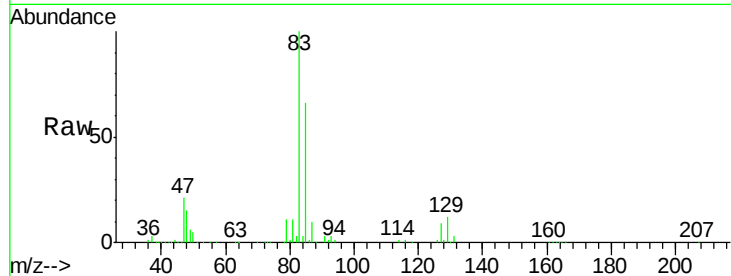




#47
Bromodichloromethane
Concen: 50.79 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

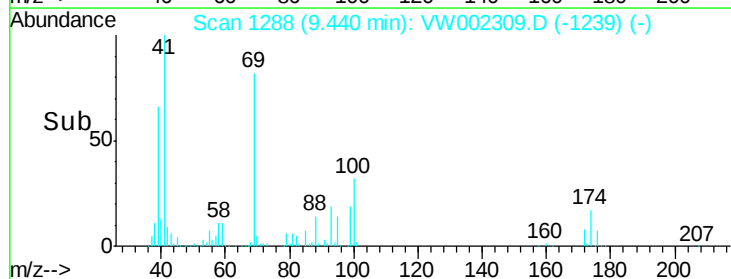
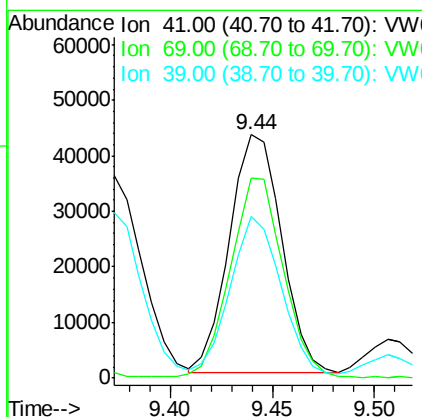
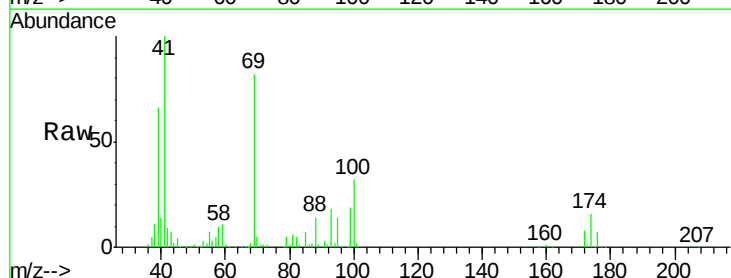
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

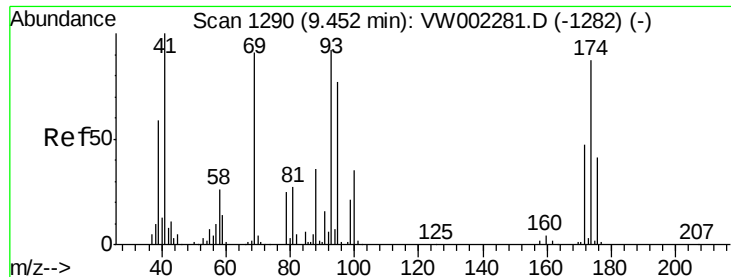
Tot Ion: 83 Resp: 157516
Ion Ratio Lower Upper
83 100
85 66.0 50.2 75.2
127 9.3 6.9 10.3



#48
Methyl methacrylate
Concen: 52.88 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 41 Resp: 76211
Ion Ratio Lower Upper
41 100
69 86.4 69.9 104.9
39 67.3 54.0 81.0

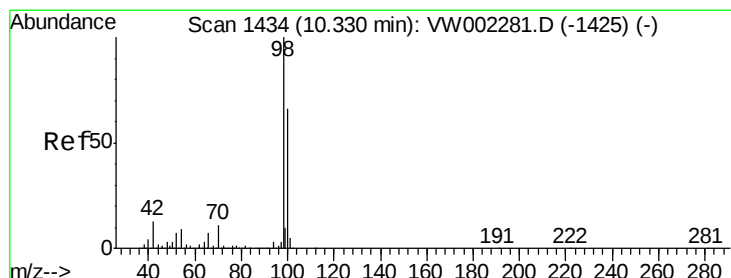
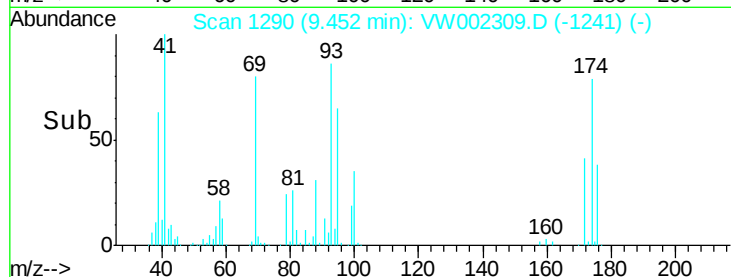
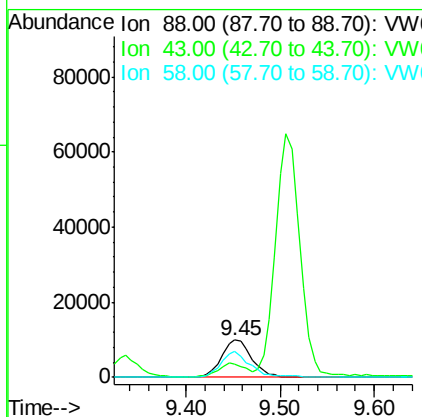
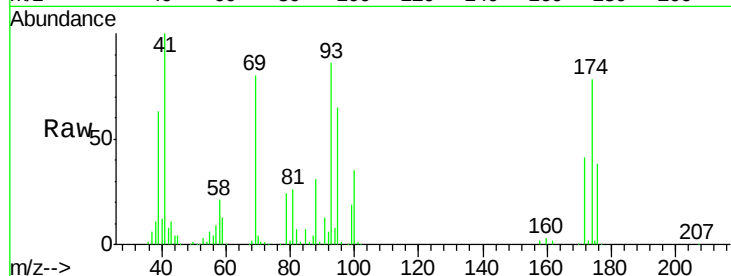




#49
 1,4-Dioxane
 Concen: 1059.75 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

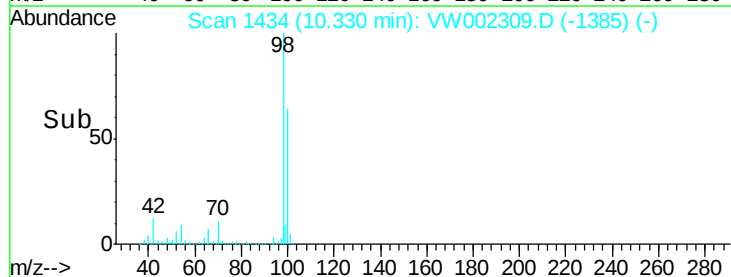
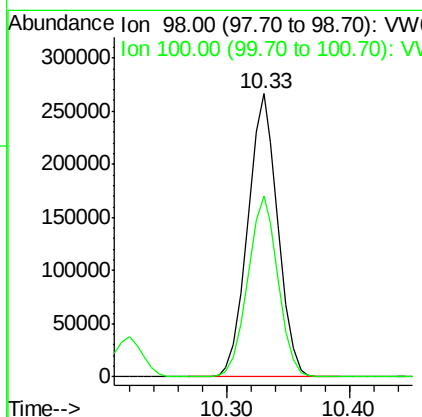
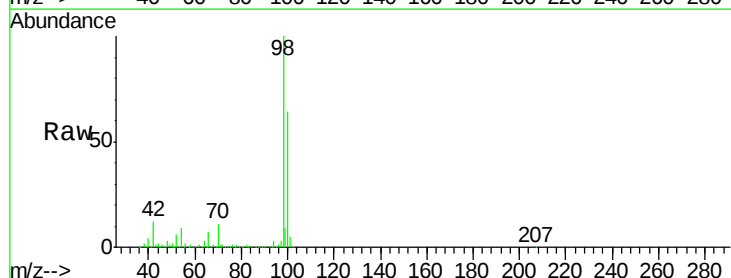
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

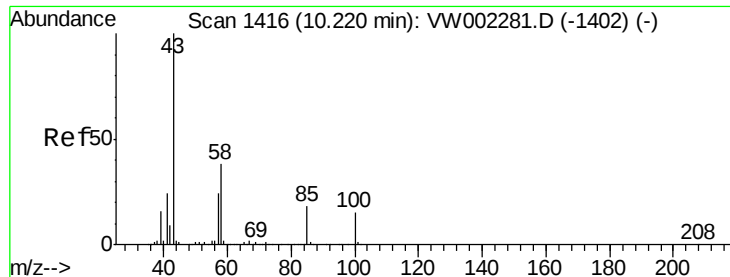
Tot Ion: 88 Resp: 22125
 Ion Ratio Lower Upper
 88 100
 43 32.6 26.3 39.5
 58 64.7 56.0 84.0



#50
 Toluene-d8
 Concen: 52.17 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion: 98 Resp: 452630
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 258.15 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampled :

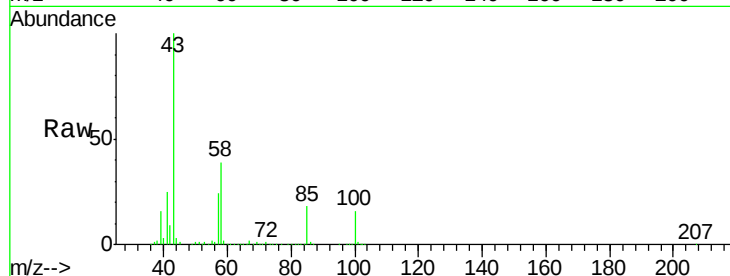
VSTDCCC050

Tot Ion: 43 Resp: 422665

Ion Ratio Lower Upper

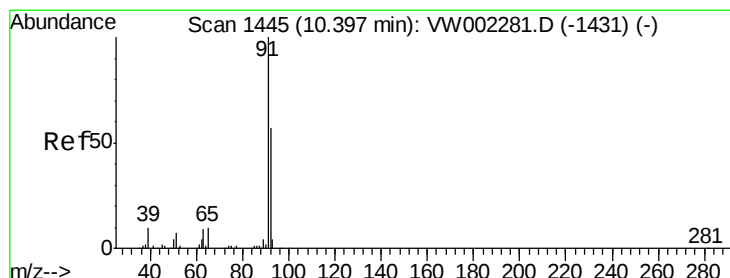
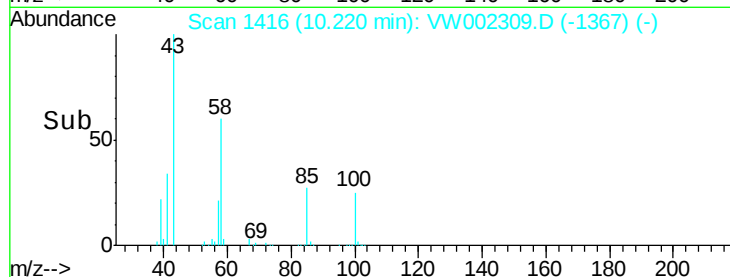
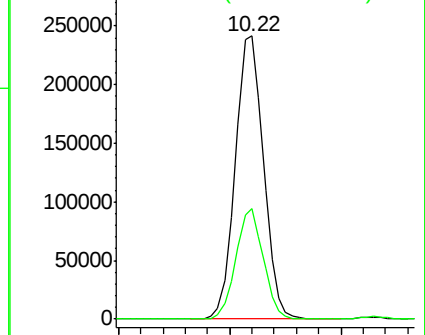
43 100

58 38.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.16 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002309.D

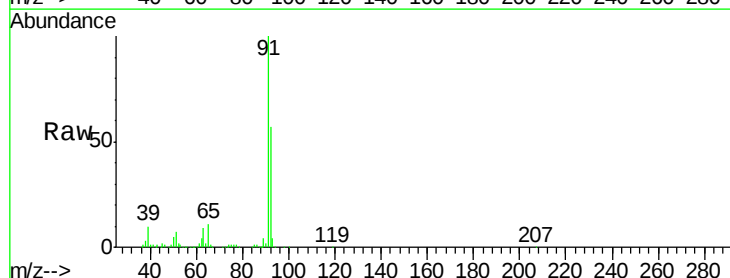
Acq: 08 May 2018 22:44

Tgt Ion: 92 Resp: 298945

Ion Ratio Lower Upper

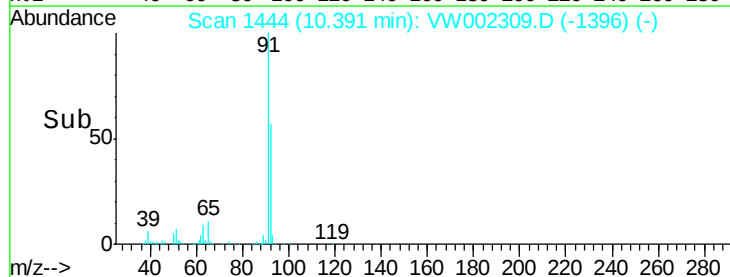
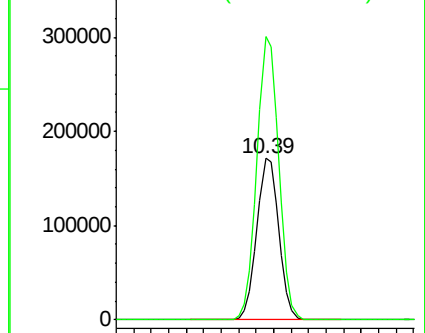
92 100

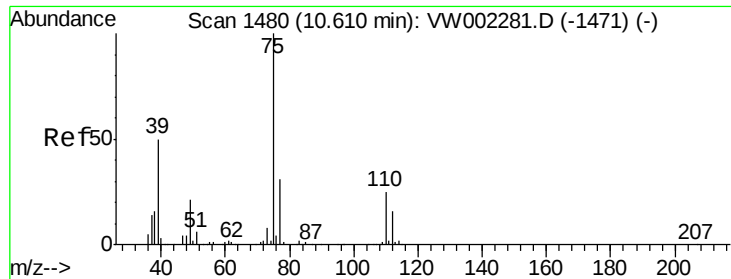
91 174.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 51.94 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampled :

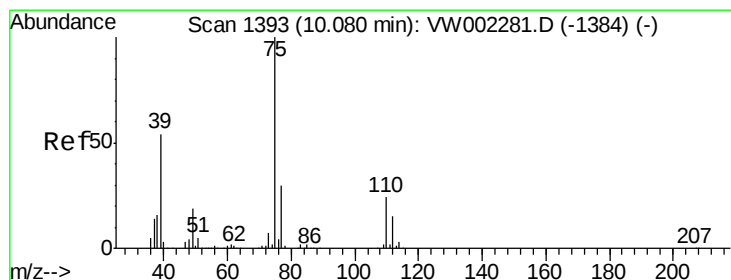
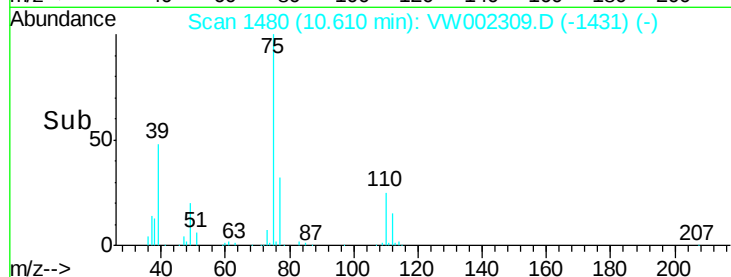
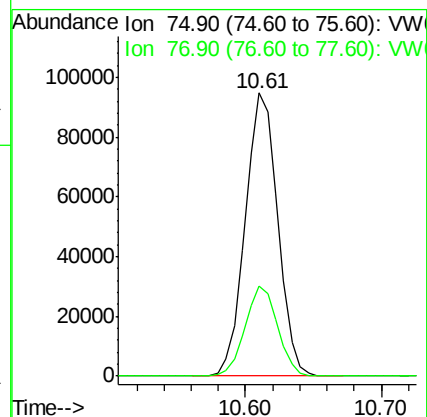
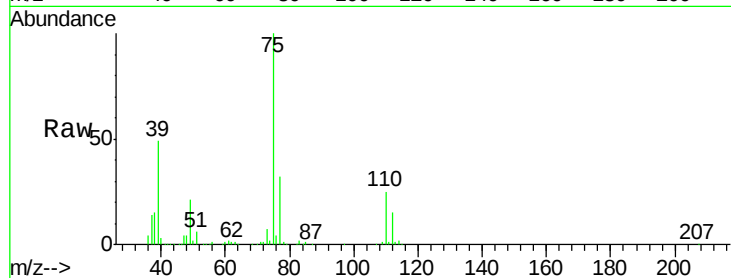
VSTDCCC050

Tot Ion: 75 Resp: 158398

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.69 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

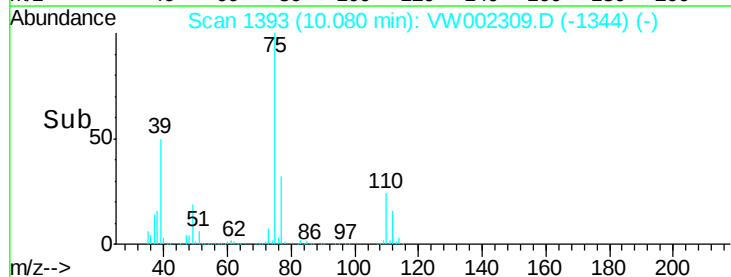
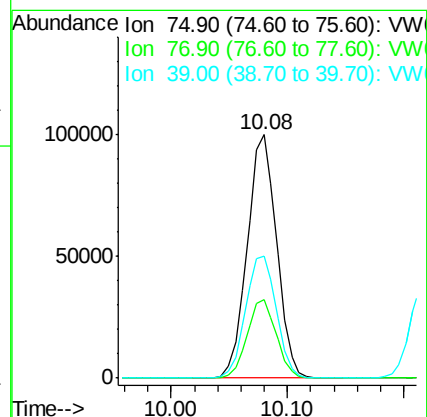
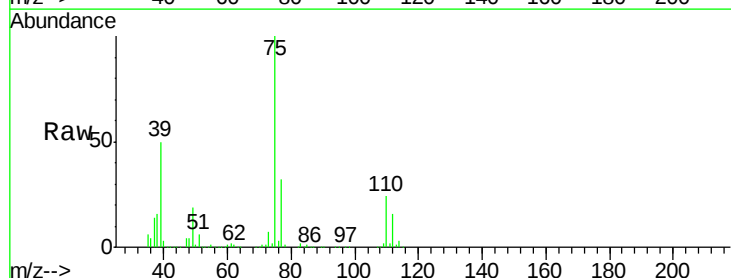
Tgt Ion: 75 Resp: 176714

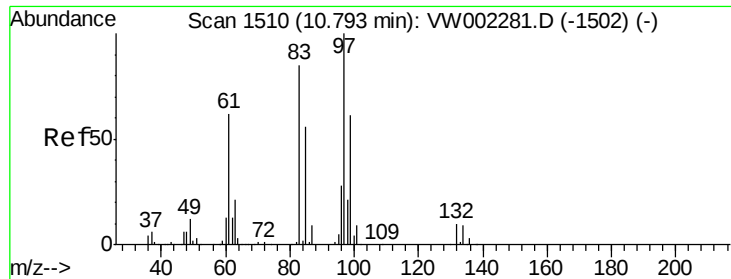
Ion Ratio Lower Upper

75 100

77 32.0 23.9 35.9

39 50.2 43.2 64.8

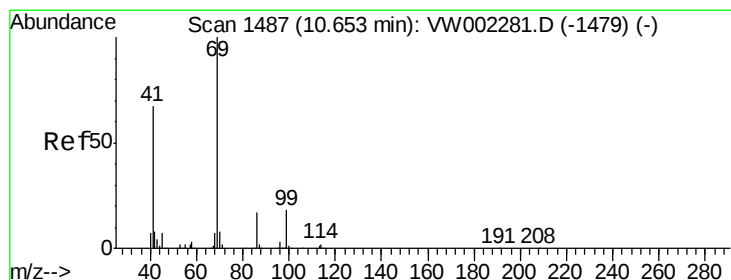
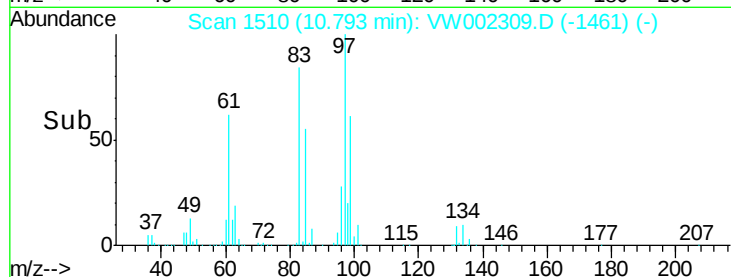
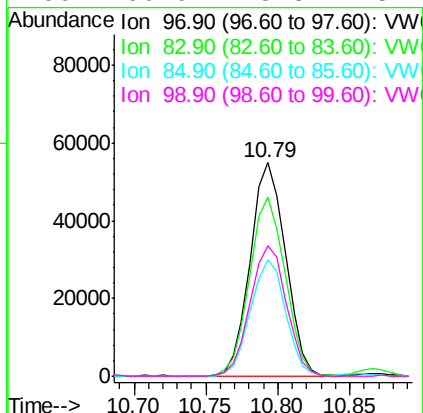
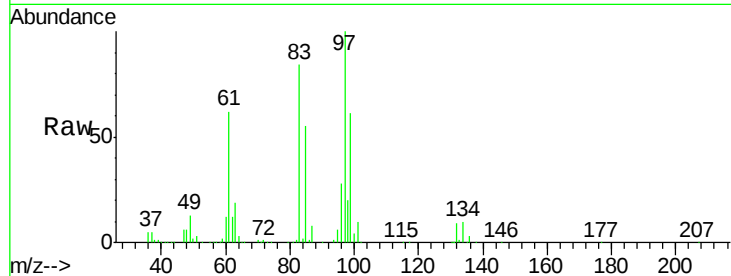




#55
 1,1,2-Trichloroethane
 Concen: 50.38 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

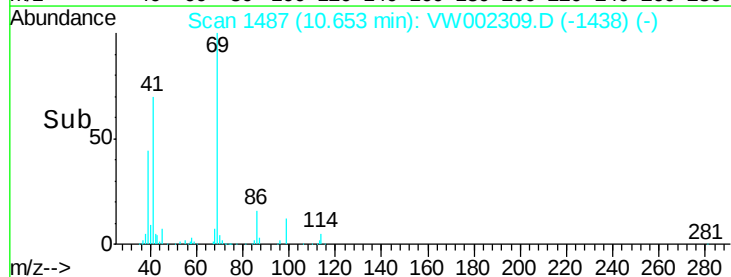
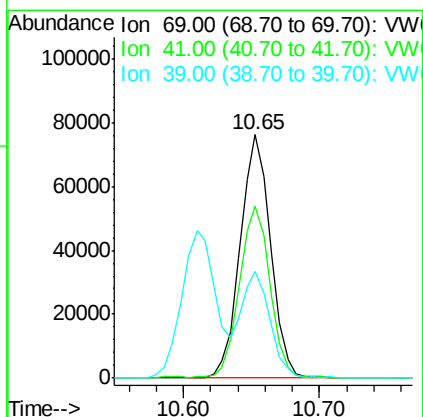
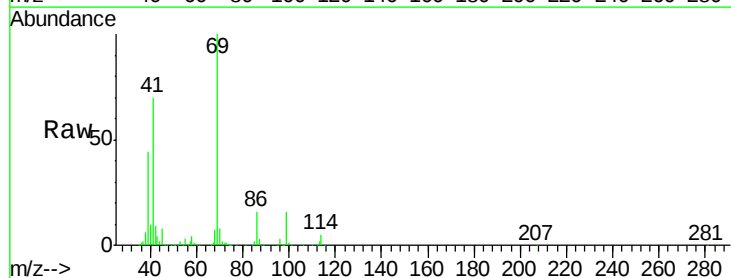
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

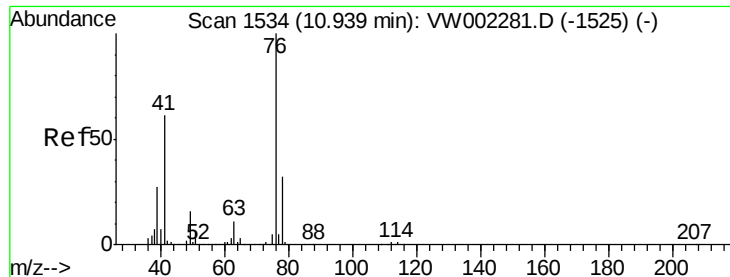
Tot Ion:	97	Resp:	93225
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.4	102.6
85	54.8	44.6	67.0
99	60.9	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 52.10 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion:	69	Resp:	119175
Ion	Ratio	Lower	Upper
69	100		
41	71.2	56.0	84.0
39	41.2	32.7	49.1





#57

1,3-Dichloropropane

Concen: 50.00 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

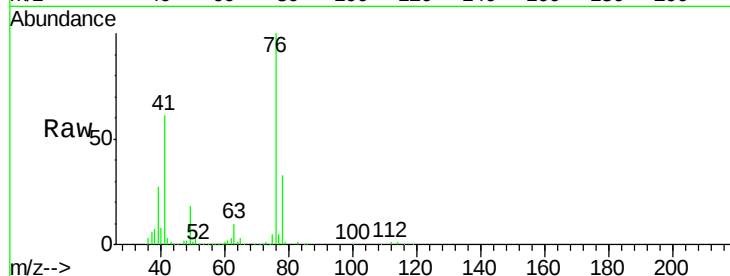
VSTDCCC050

Tot Ion: 76 Resp: 157289

Ion Ratio Lower Upper

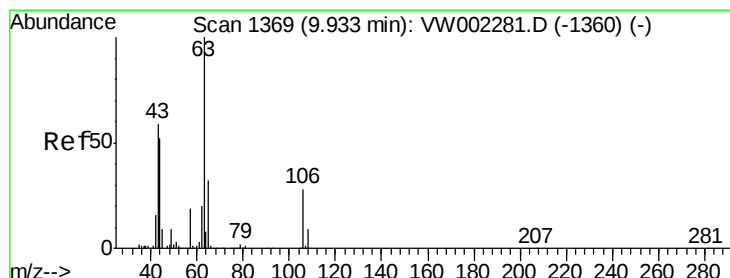
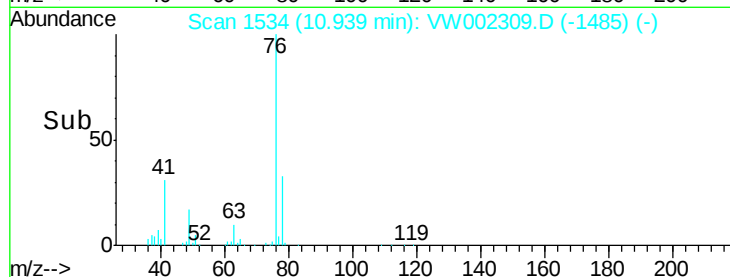
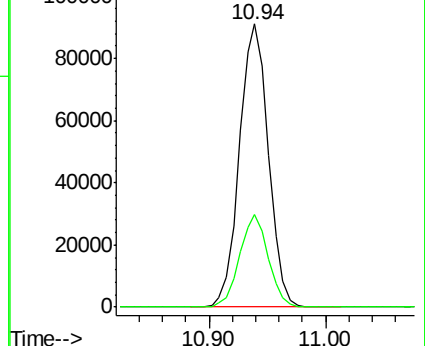
76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 268.09 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW002309.D

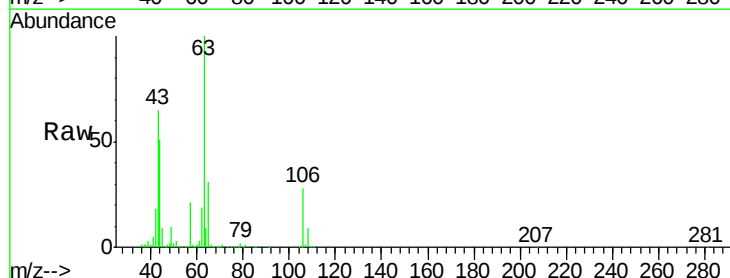
Acq: 08 May 2018 22:44

Tgt Ion: 63 Resp: 297663

Ion Ratio Lower Upper

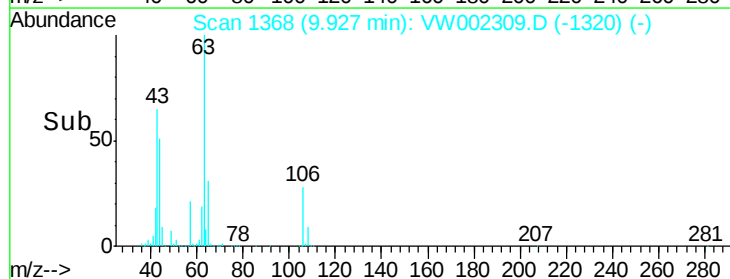
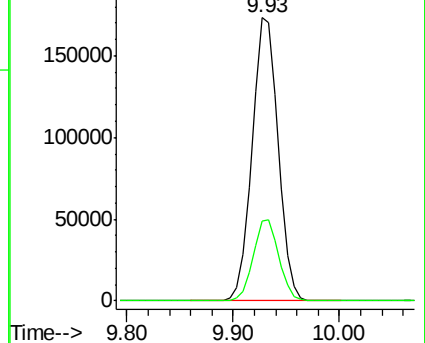
63 100

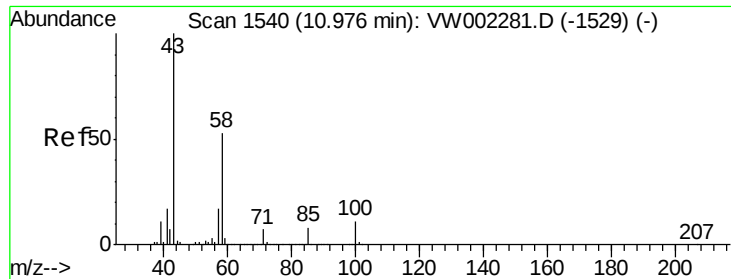
106 28.4 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 267.80 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

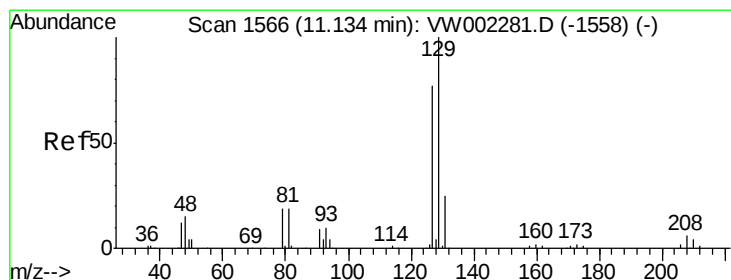
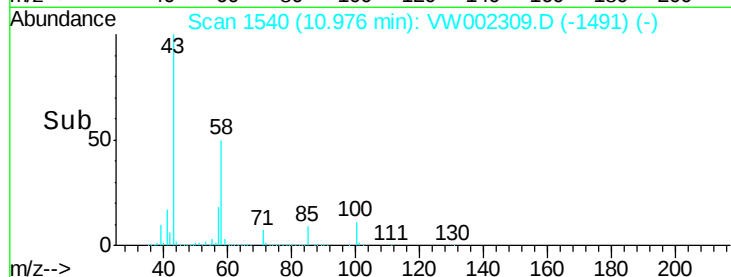
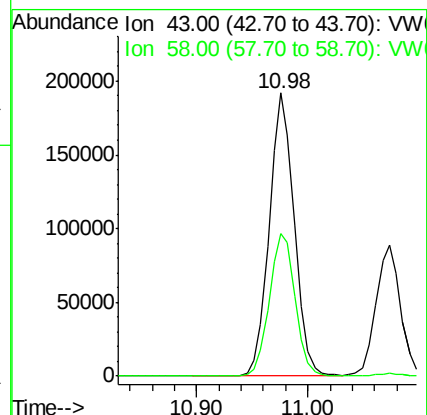
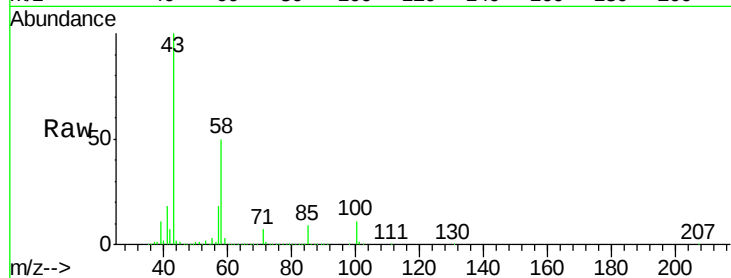
VSTDCCC050

Tot Ion: 43 Resp: 299919

Ion Ratio Lower Upper

43 100

58 52.1 26.0 78.0



#60

Dibromochloromethane

Concen: 52.00 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW002309.D

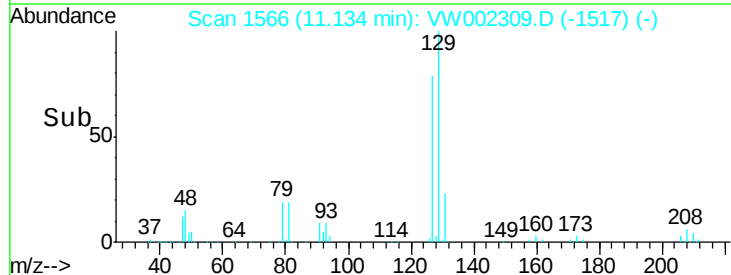
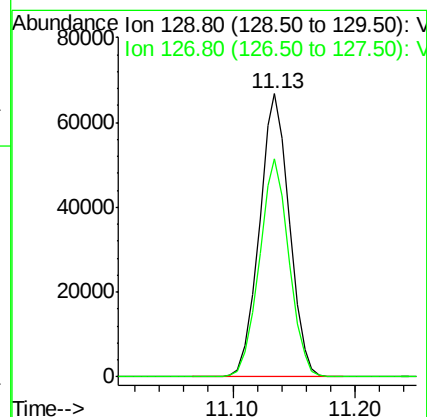
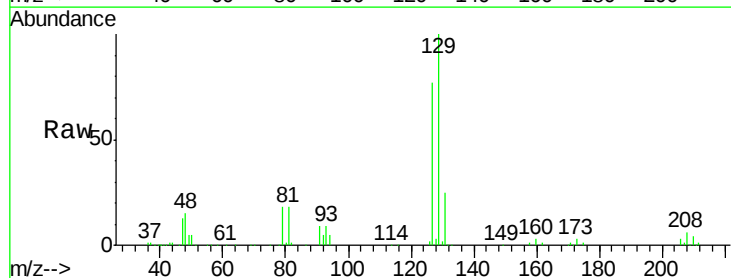
Acq: 08 May 2018 22:44

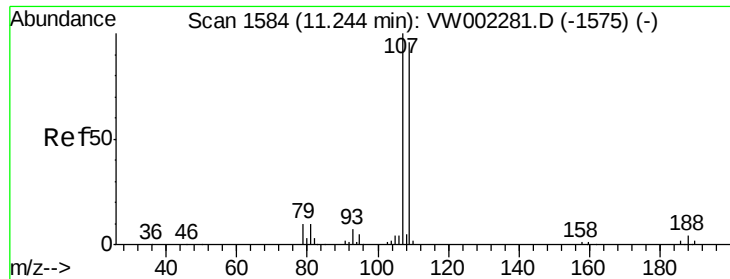
Tgt Ion: 129 Resp: 113577

Ion Ratio Lower Upper

129 100

127 76.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 50.45 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

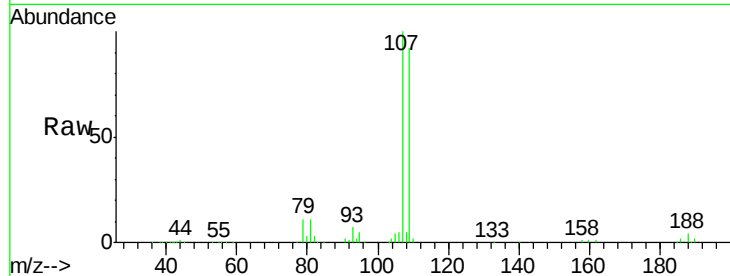
VSTDCCC050

Tot Ion: 107 Resp: 91263

Ion Ratio Lower Upper

107 100

109 94.5 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

50000

40000

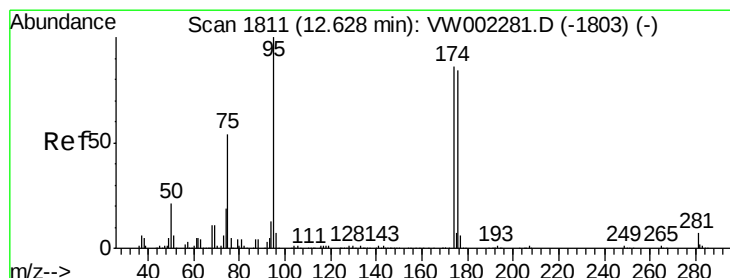
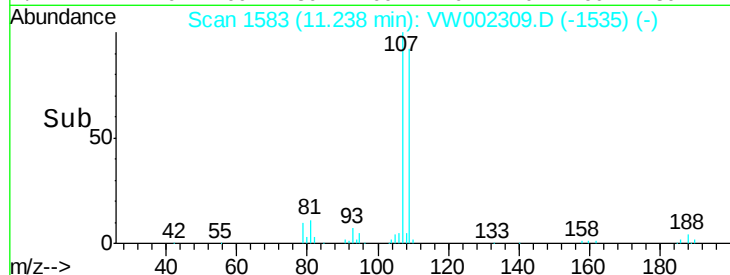
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.92 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

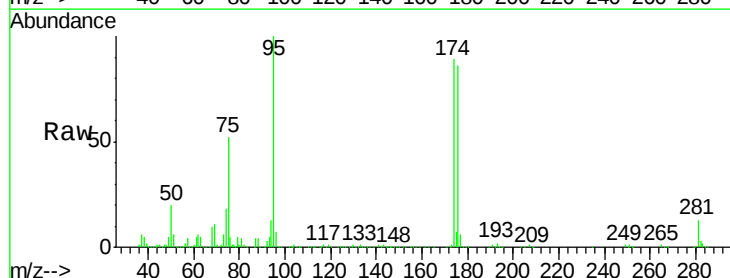
Tgt Ion: 95 Resp: 165917

Ion Ratio Lower Upper

95 100

174 88.6 0.0 176.8

176 84.2 0.0 170.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

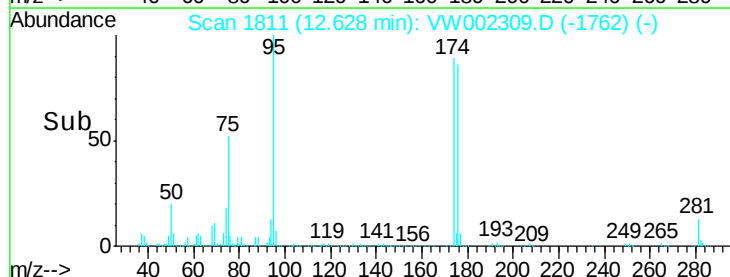
12.63

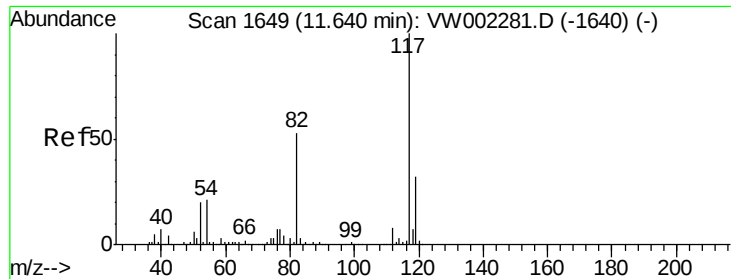
100000

50000

0

Time-->

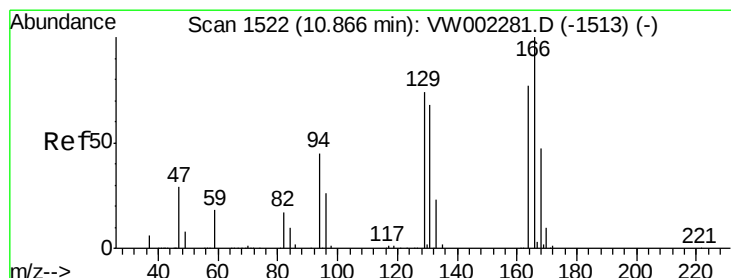
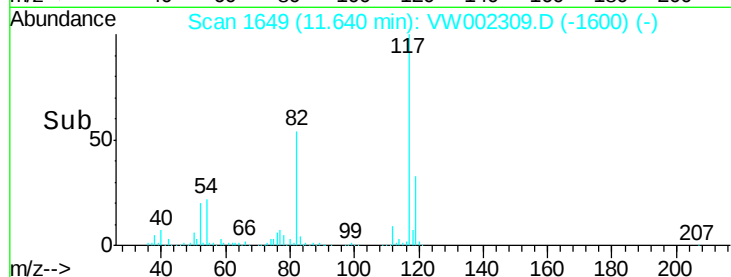
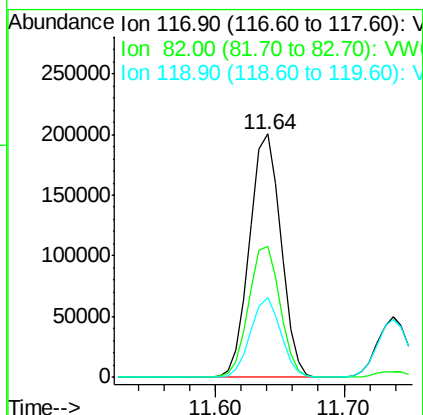
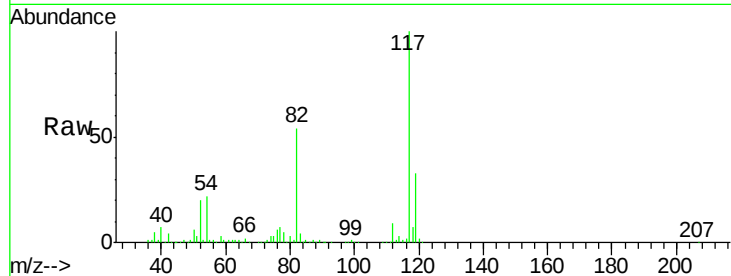




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

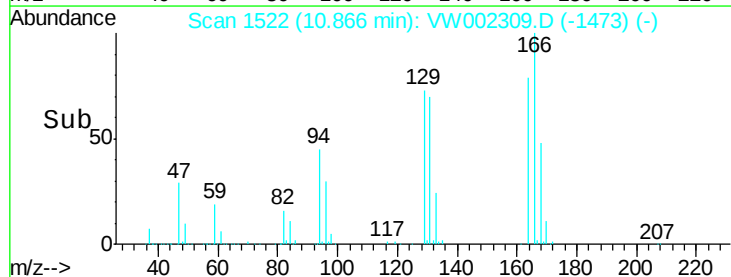
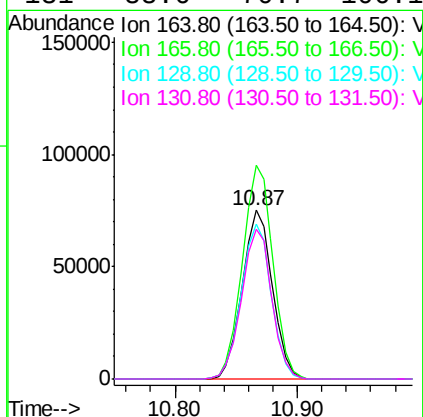
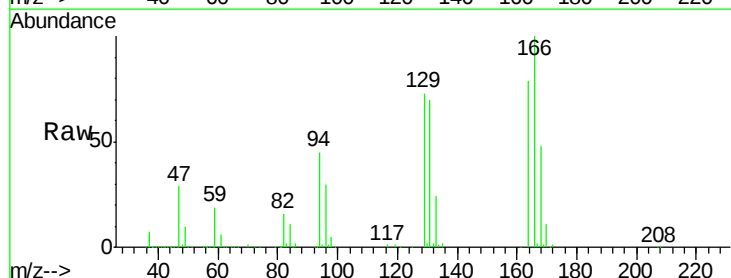
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

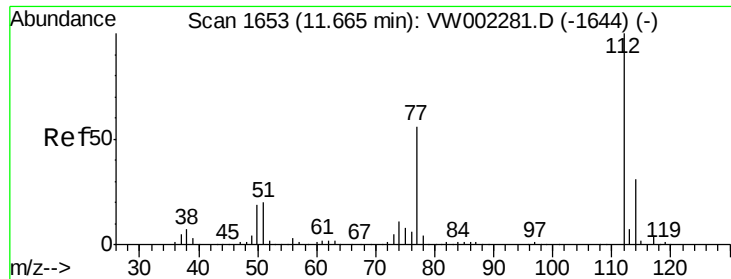
Tot Ion:117 Resp: 336847
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 32.6 25.2 37.8



#64
Tetrachloroethene
Concen: 49.67 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion:164 Resp: 128767
Ion Ratio Lower Upper
164 100
166 126.8 103.3 154.9
129 92.3 76.6 114.8
131 88.6 70.7 106.1

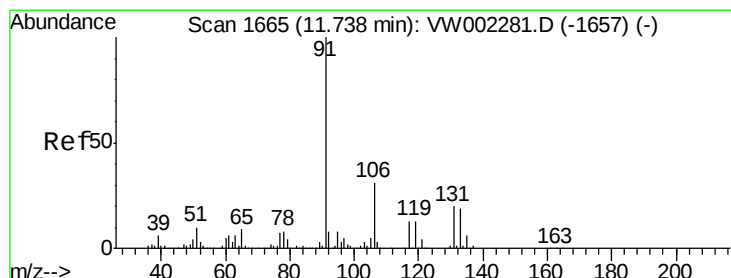
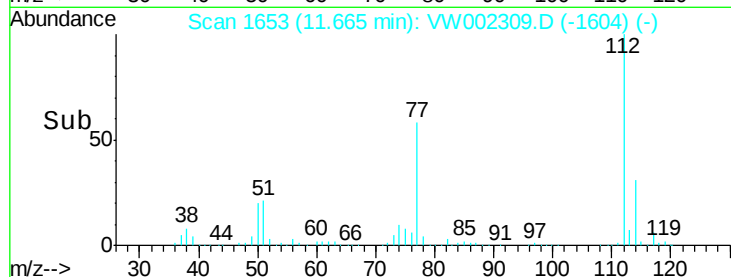
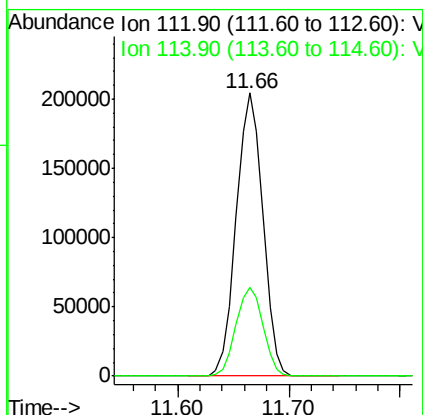
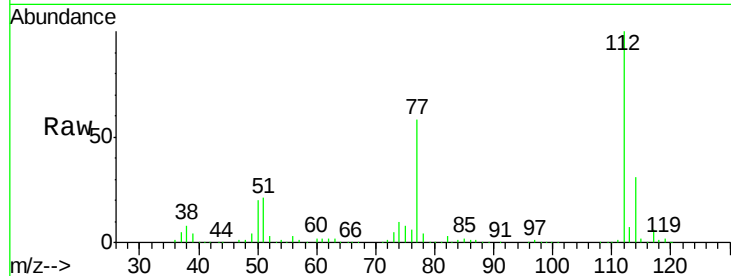




#65
Chlorobenzene
Concen: 49.16 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

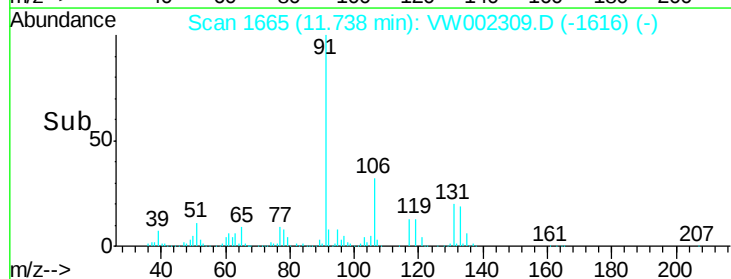
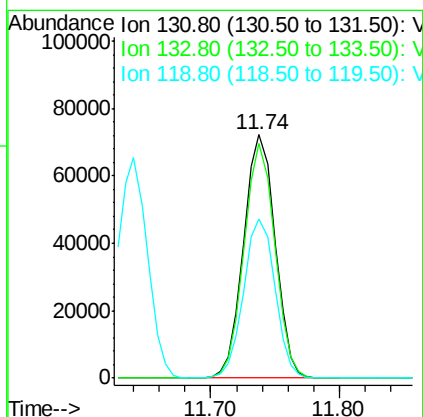
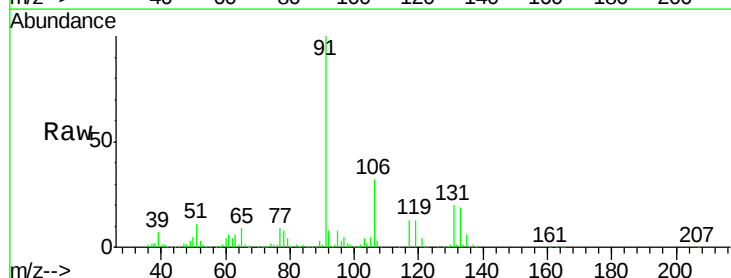
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

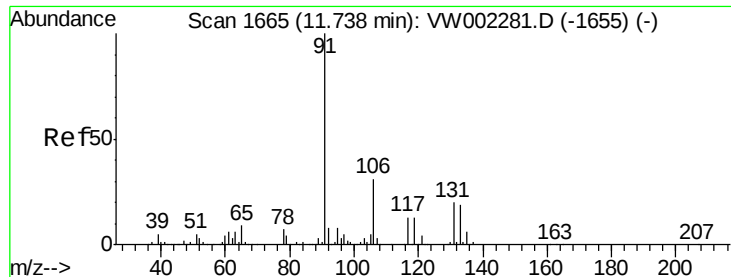
Tot Ion:112 Resp: 338370
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.68 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion:131 Resp: 121885
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.3
119 65.3 32.0 96.0

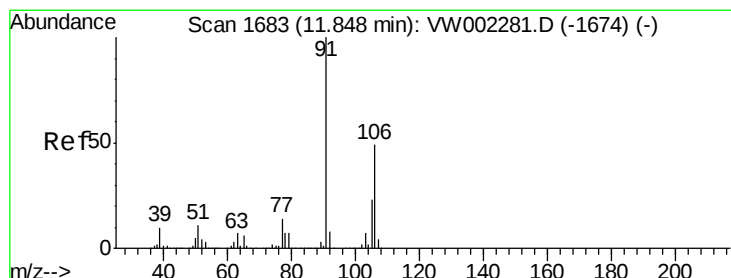
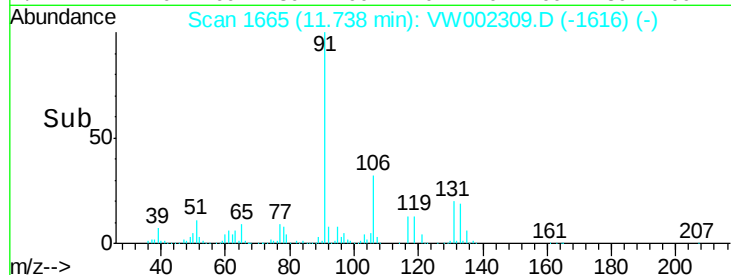
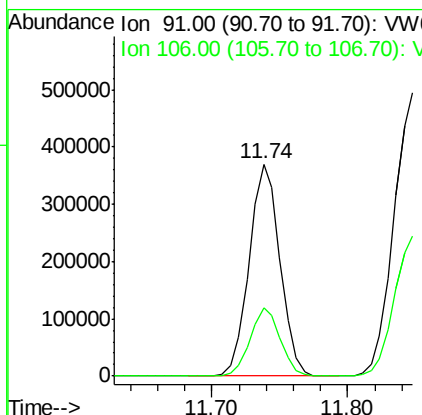
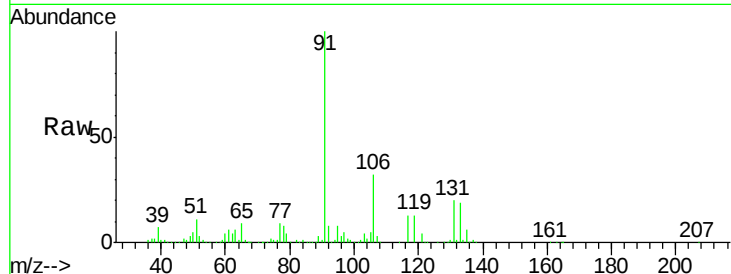




#67
Ethyl Benzene
Concen: 49.59 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

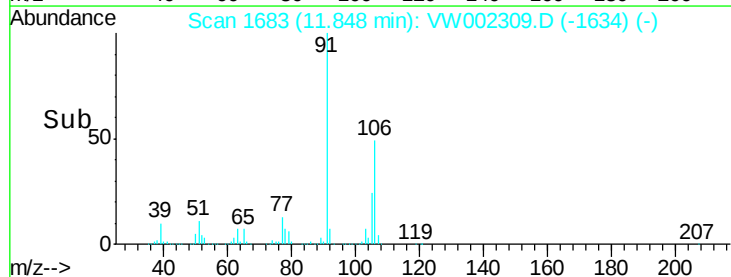
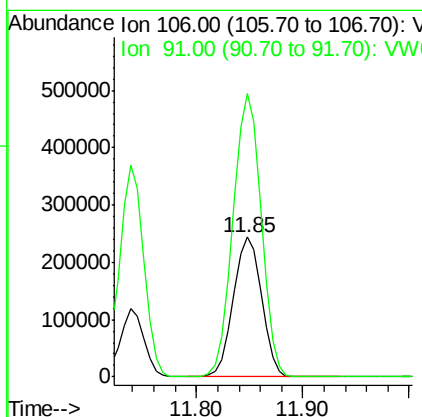
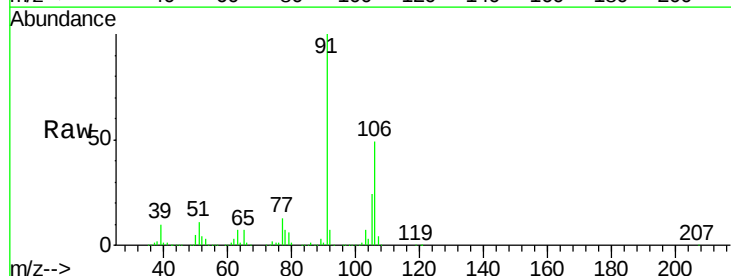
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

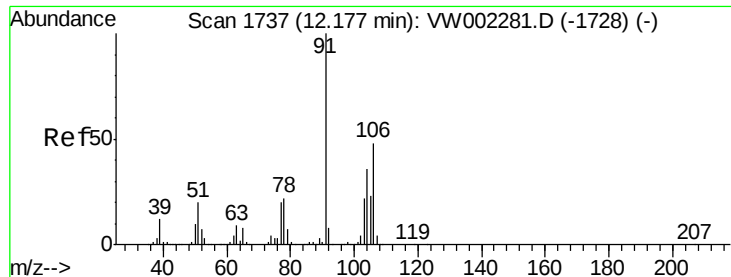
Tot Ion: 91 Resp: 586718
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3



#68
m/p-Xylenes
Concen: 99.99 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 106 Resp: 456446
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.0

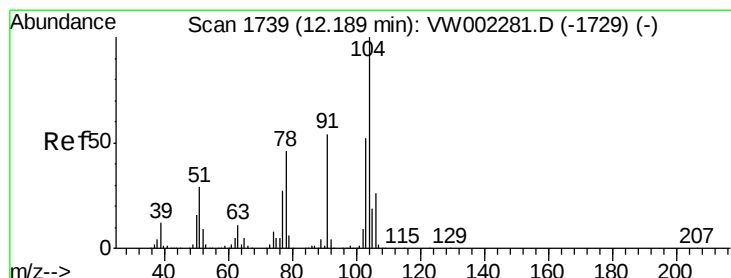
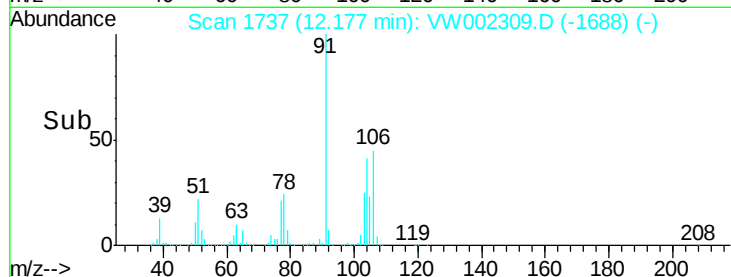
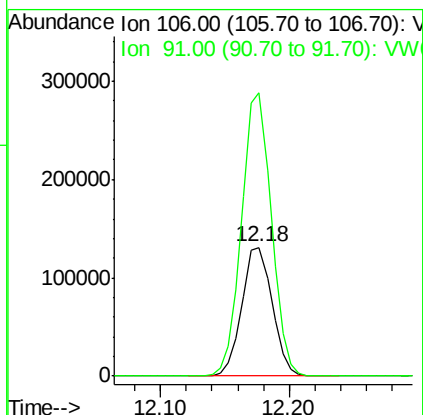
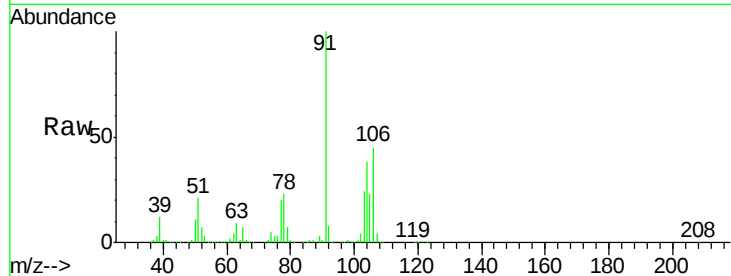




#69
o-Xylene
Concen: 49.32 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

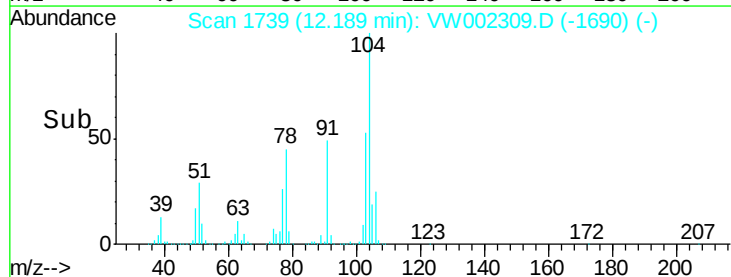
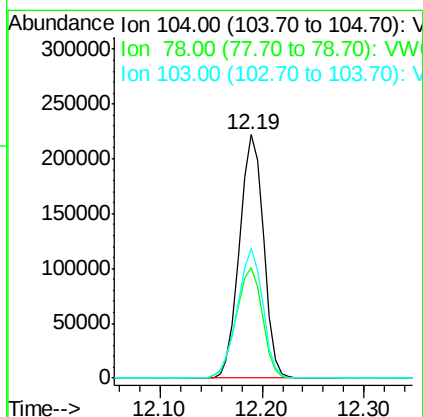
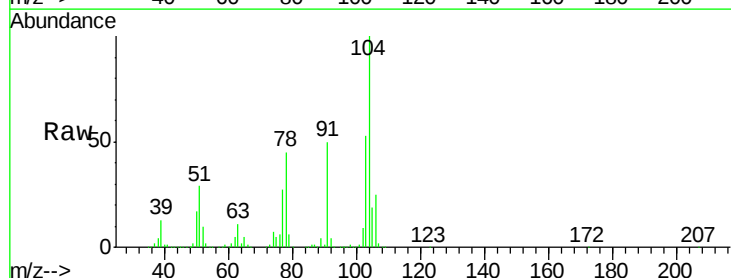
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

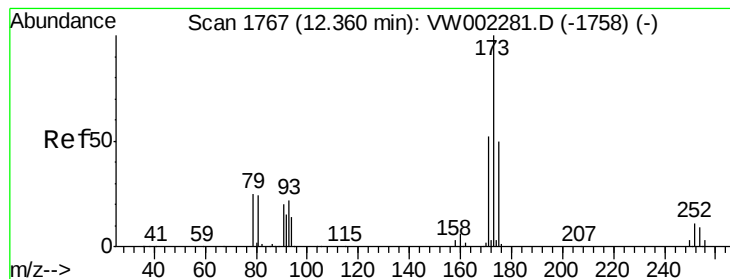
Tot Ion:106 Resp: 214078
Ion Ratio Lower Upper
106 100
91 214.9 107.1 321.1



#70
Styrene
Concen: 50.29 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion:104 Resp: 362503
Ion Ratio Lower Upper
104 100
78 49.4 39.6 59.4
103 56.0 44.4 66.6





#71

Bromoform

Concen: 50.63 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

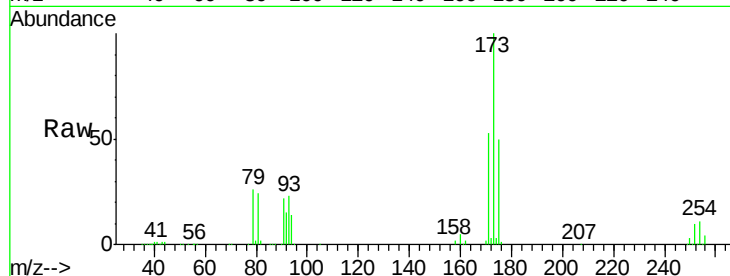
Tot Ion:173 Resp: 71221

Ion Ratio Lower Upper

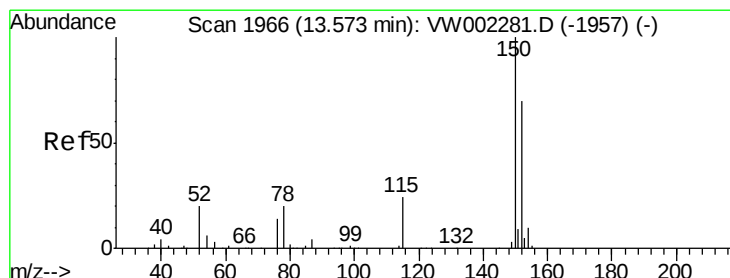
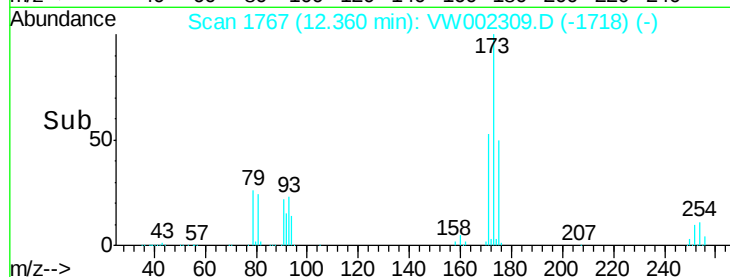
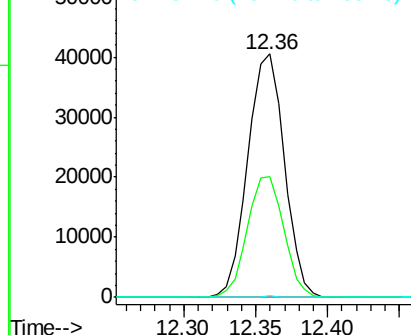
173 100

175 49.4 24.3 72.9

254 0.3 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

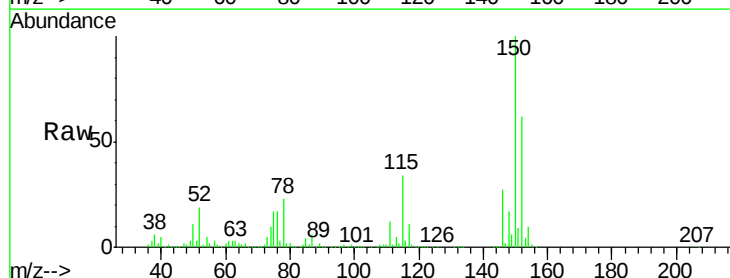
Tgt Ion:152 Resp: 183187

Ion Ratio Lower Upper

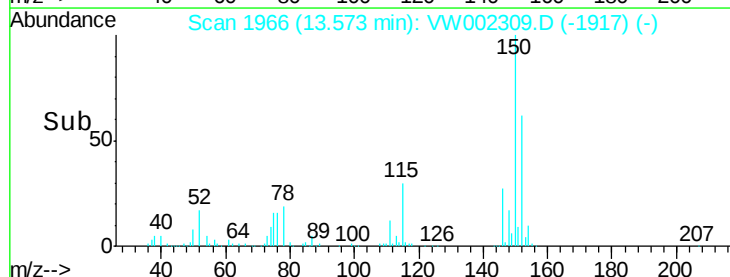
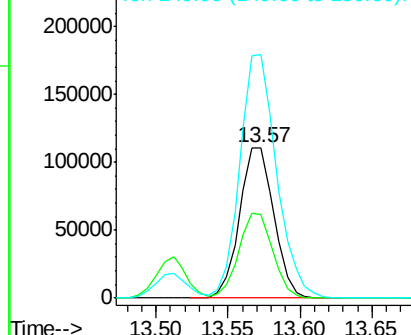
152 100

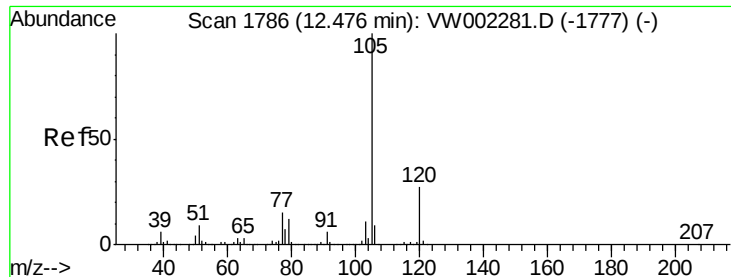
115 55.8 28.5 85.5

150 173.1 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.52 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

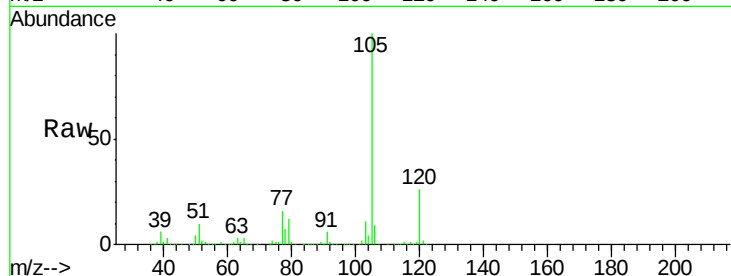
VSTDCCC050

Tot Ion:105 Resp: 589257

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

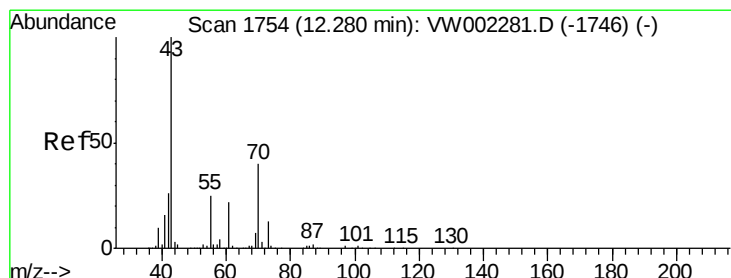
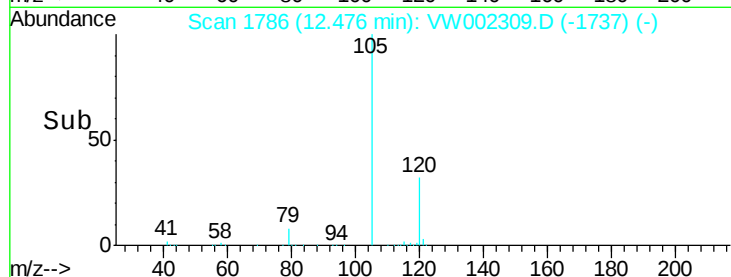
100000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 51.25 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Tgt Ion: 43 Resp: 152607

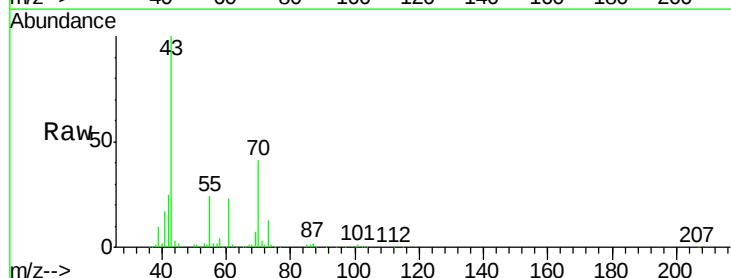
Ion Ratio Lower Upper

43 100

70 41.0 31.9 47.9

55 23.9 19.9 29.9

61 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

150000

100000

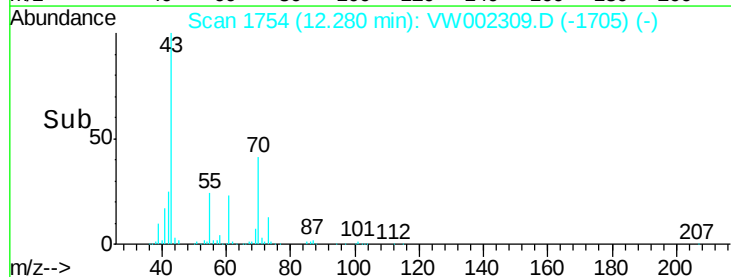
50000

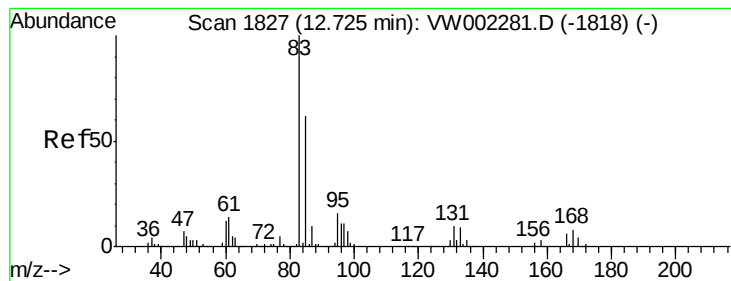
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.61 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

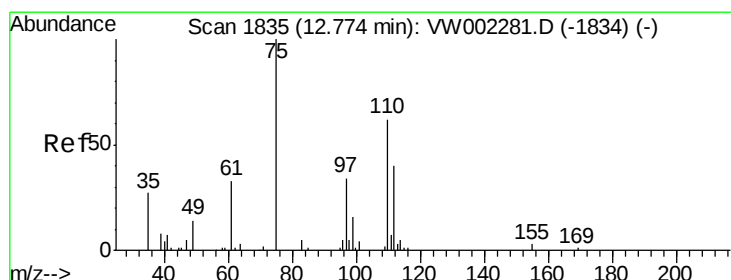
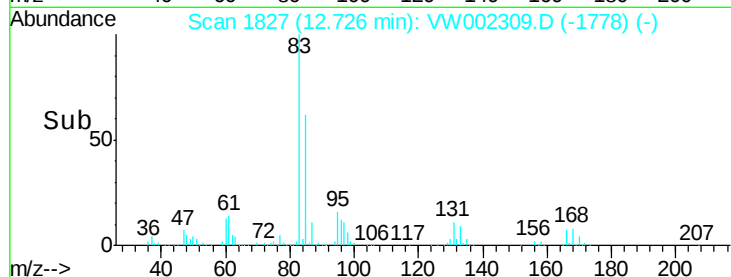
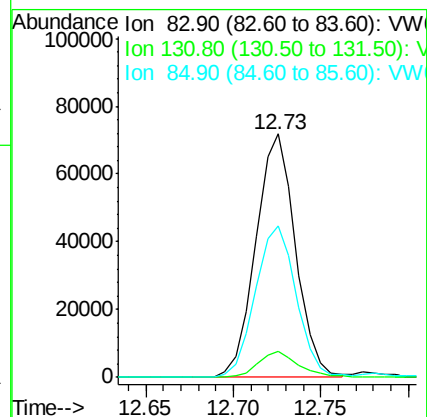
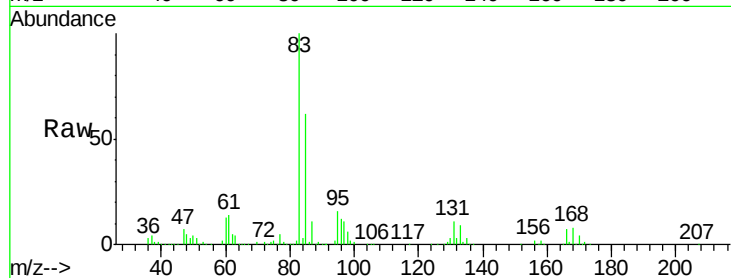
Tot Ion: 83 Resp: 114107

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

85 64.3 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 53.45 ug/l m

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW002309.D

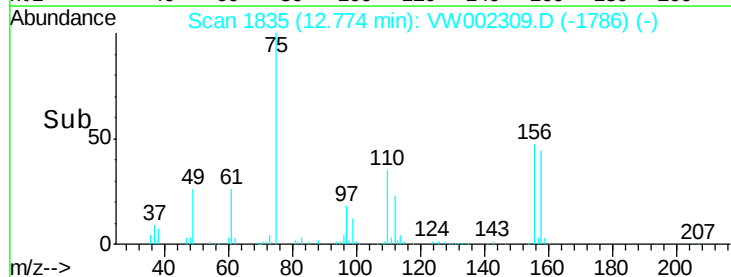
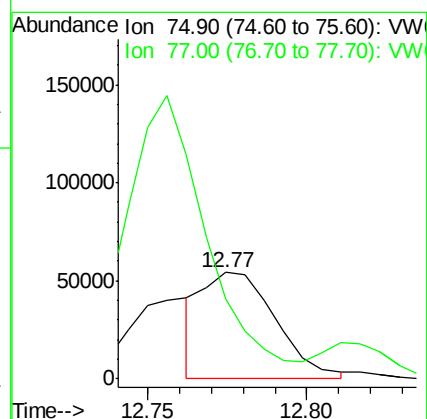
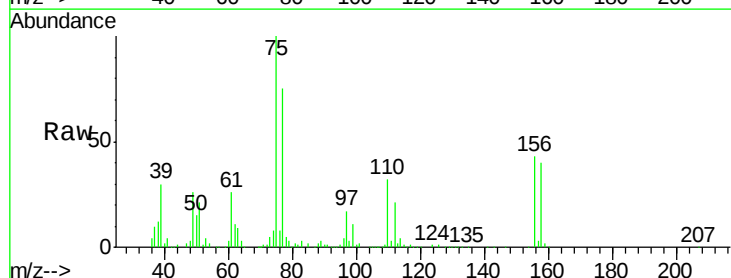
Acq: 08 May 2018 22:44

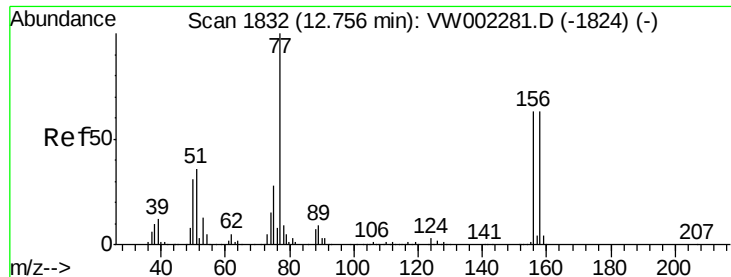
Tgt Ion: 75 Resp: 86829

Ion Ratio Lower Upper

75 100

77 298.3 187.5 562.6





#77

Bromobenzene

Concen: 49.21 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

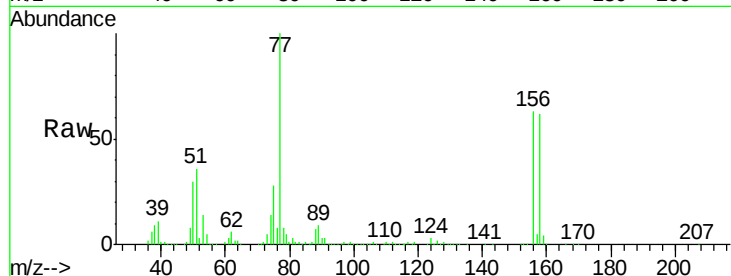
Tot Ion:156 Resp: 147591

Ion Ratio Lower Upper

156 100

77 175.5 87.7 263.1

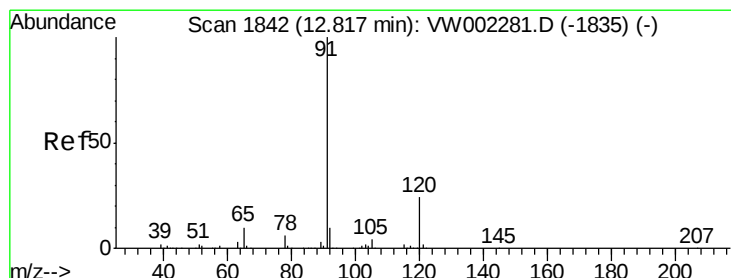
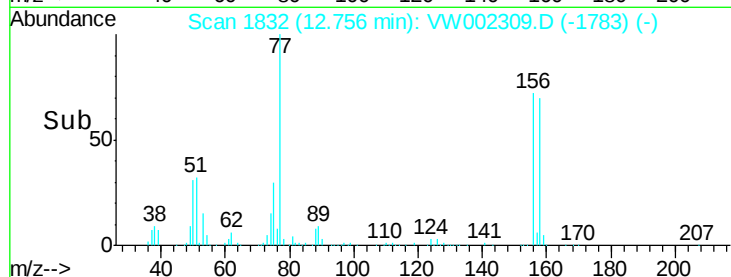
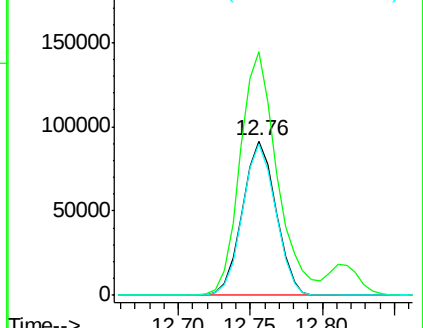
158 97.3 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.76 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002309.D

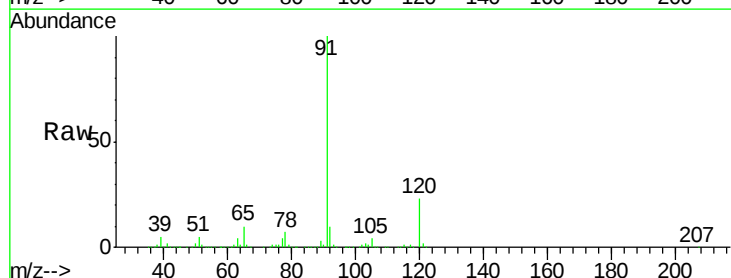
Acq: 08 May 2018 22:44

Tgt Ion: 91 Resp: 716041

Ion Ratio Lower Upper

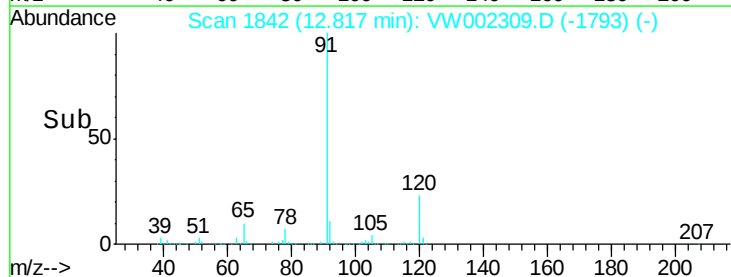
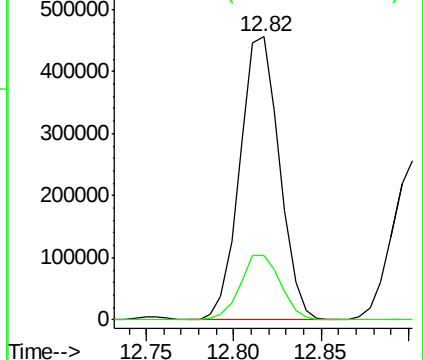
91 100

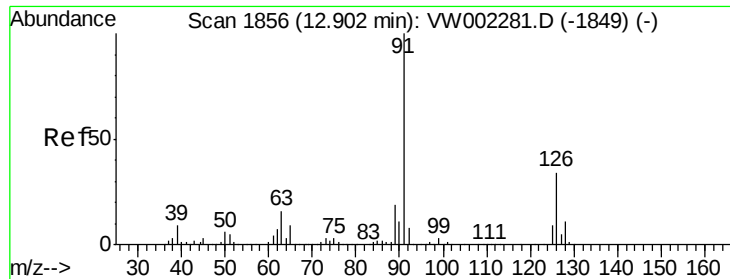
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.86 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

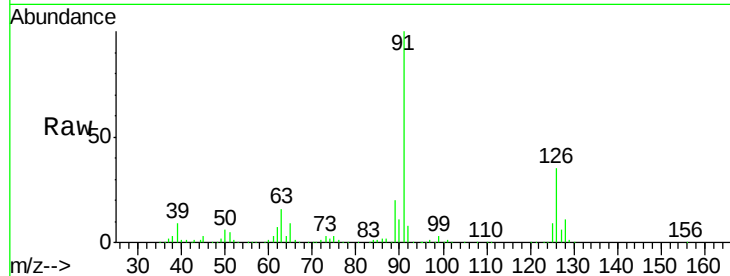
VSTDCCC050

Tot Ion: 91 Resp: 405019

Ion Ratio Lower Upper

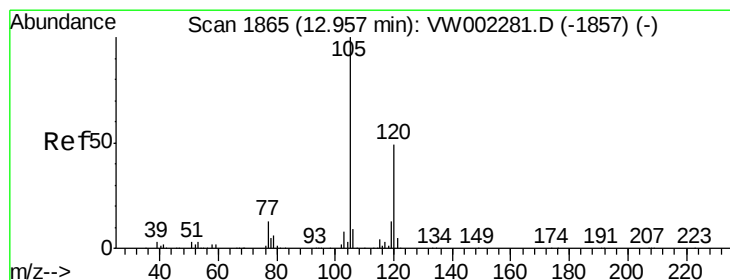
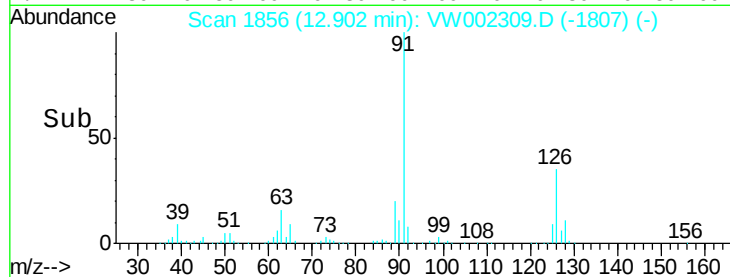
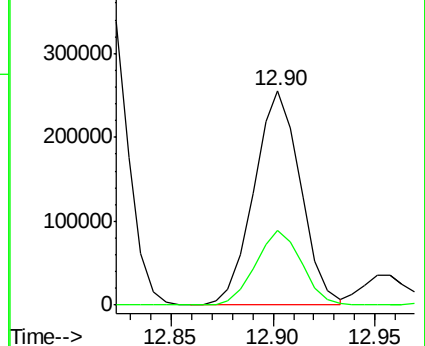
91 100

126 34.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.35 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VW002309.D

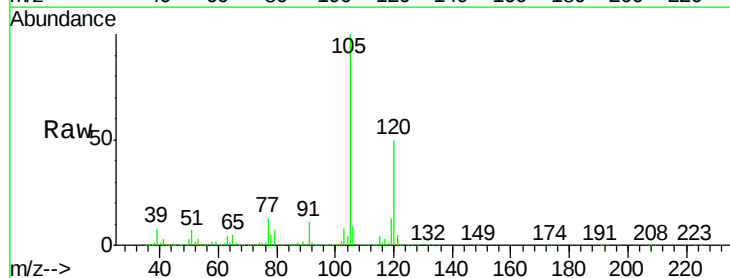
Acq: 08 May 2018 22:44

Tgt Ion:105 Resp: 503980

Ion Ratio Lower Upper

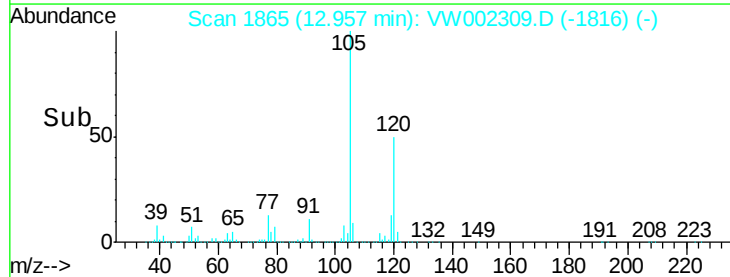
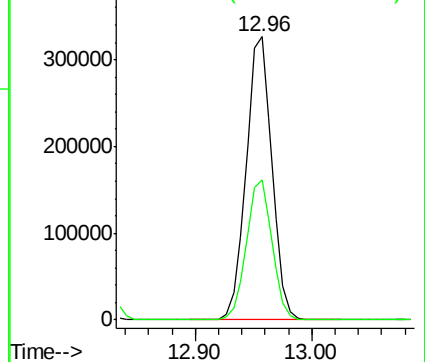
105 100

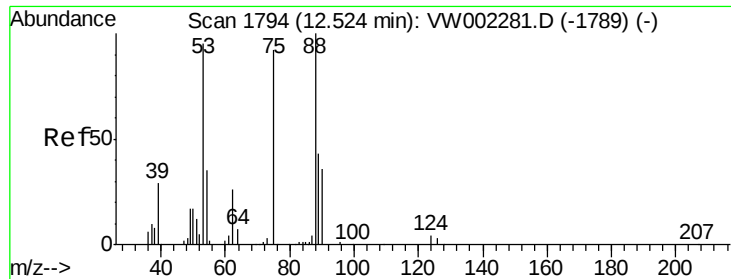
120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

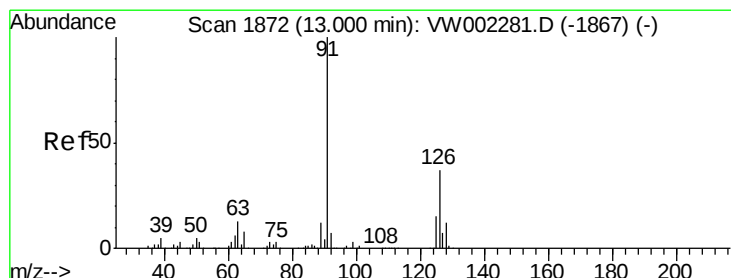
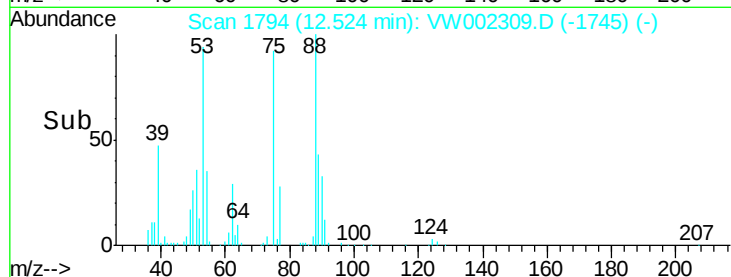
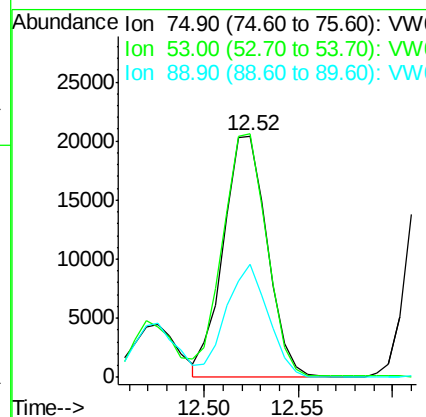
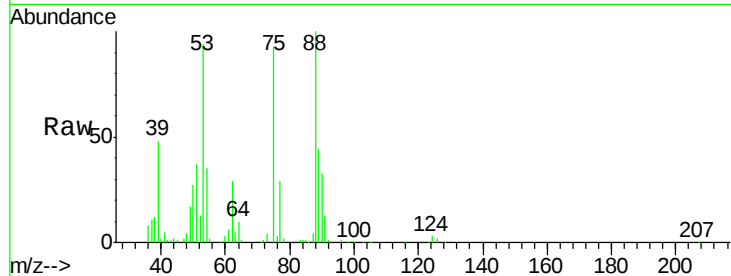




#81
trans-1,4-Dichloro-2-butene
Concen: 53.72 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

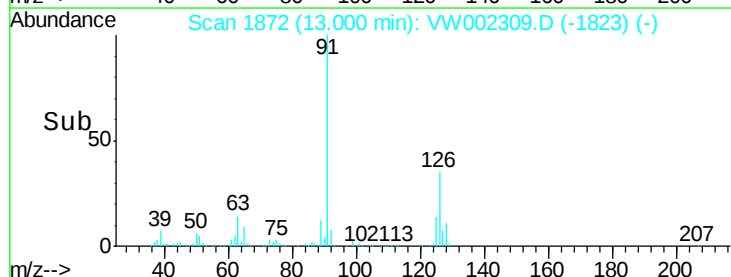
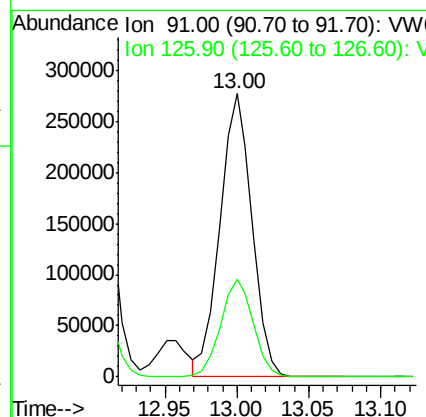
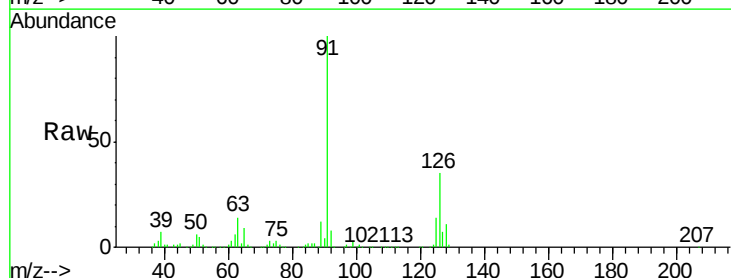
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

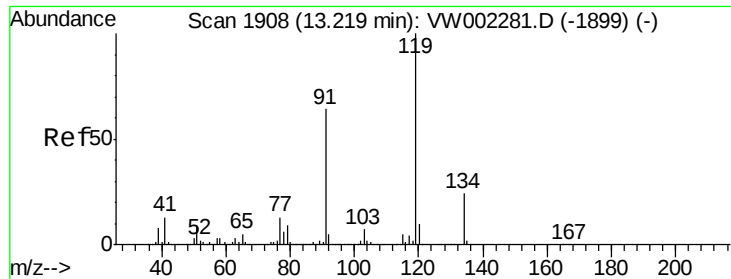
Tot Ion: 75 Resp: 33126
Ion Ratio Lower Upper
75 100
53 100.2 79.9 119.9
89 45.3 37.6 56.4



#82
4-Chlorotoluene
Concen: 49.89 ug/l
RT: 13.00 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion: 91 Resp: 430962
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.3

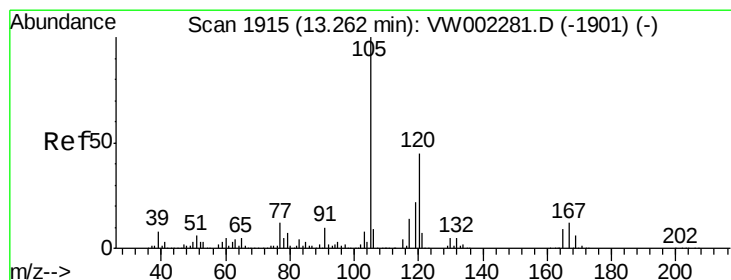
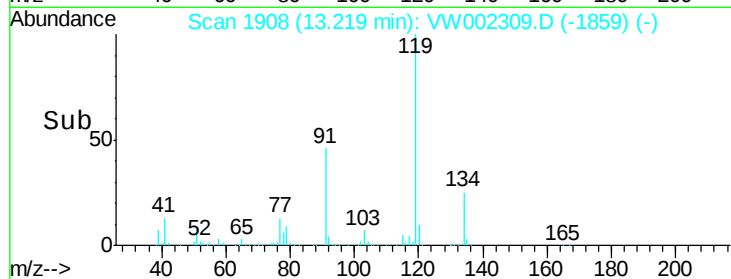
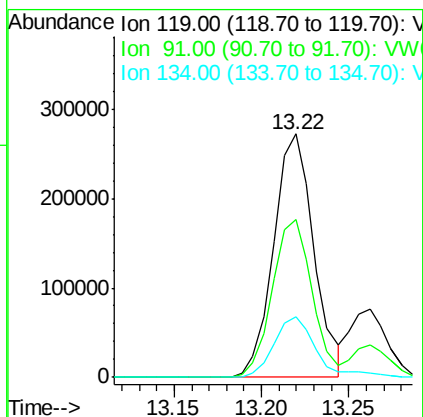
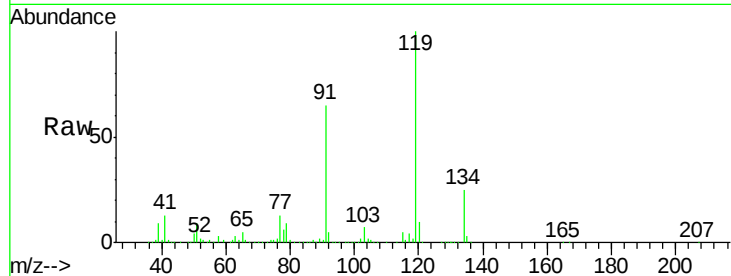




#83
tert-Butylbenzene
Concen: 50.86 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

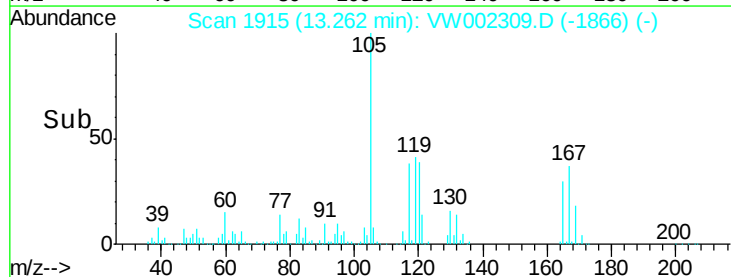
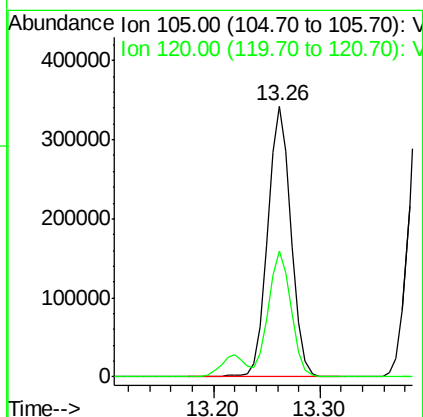
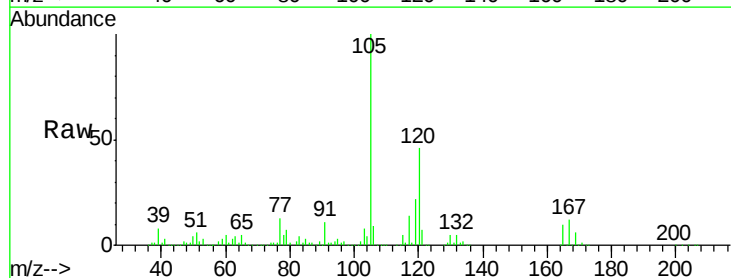
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

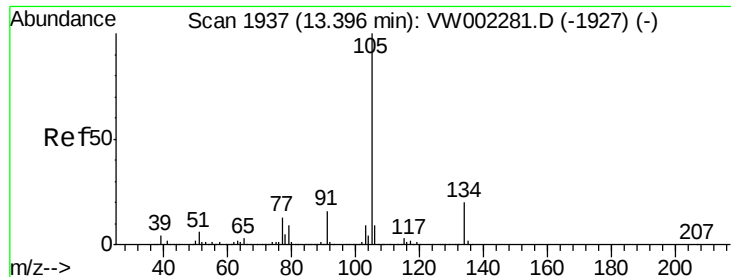
Tot Ion:119 Resp: 438265
Ion Ratio Lower Upper
119 100
91 64.2 31.6 94.8
134 26.1 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 50.51 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion:105 Resp: 524162
Ion Ratio Lower Upper
105 100
120 45.1 22.5 67.5

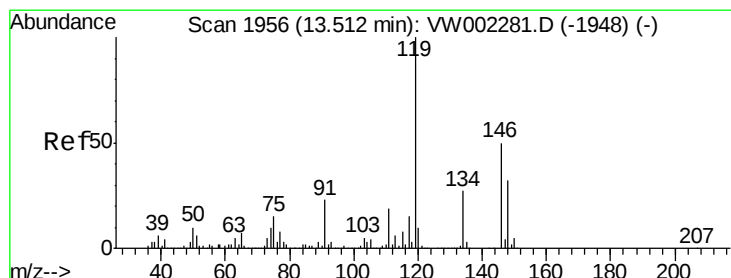
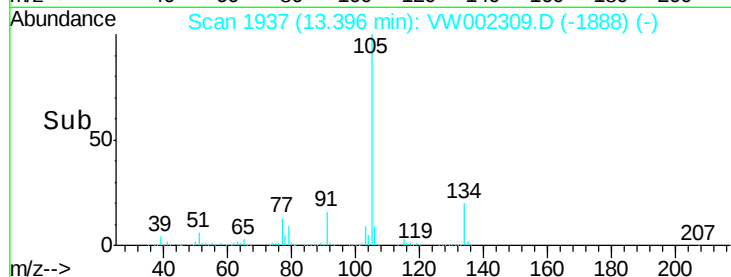
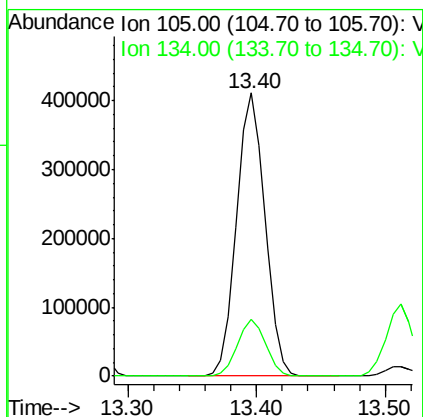
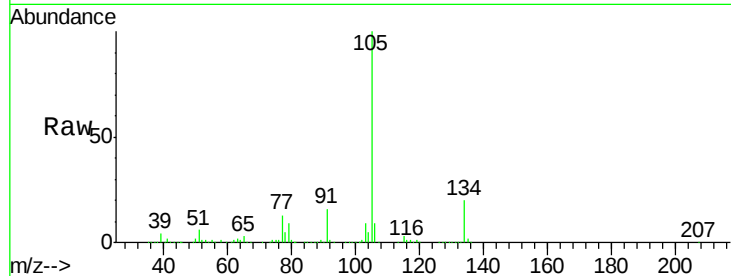




#85
 sec-Butylbenzene
 Concen: 51.22 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

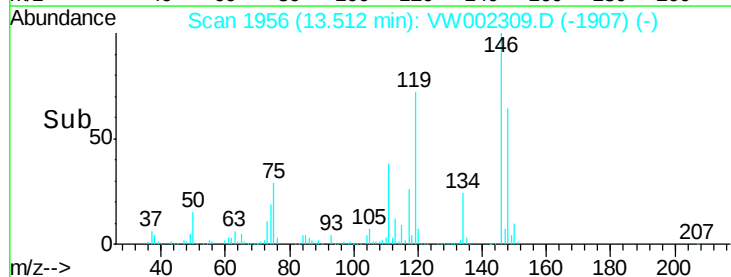
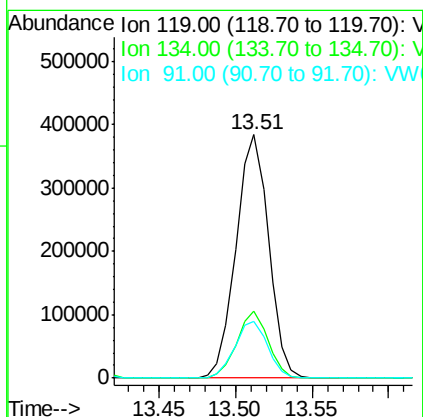
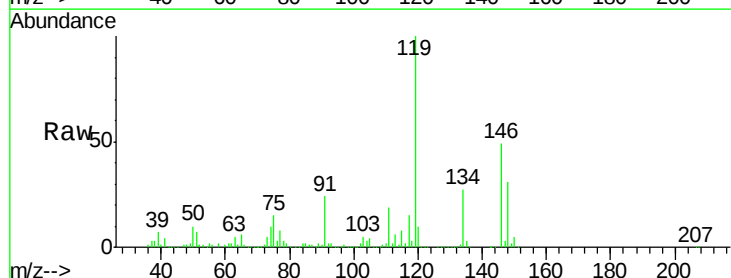
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

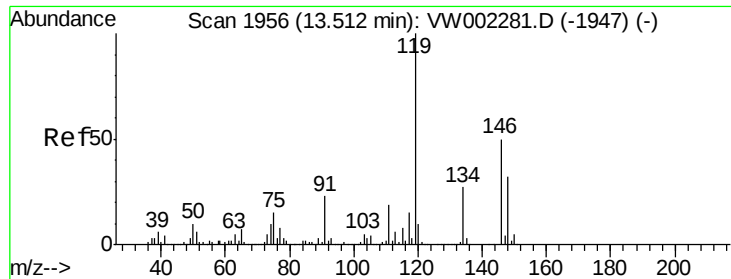
Tot Ion:105 Resp: 630169
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 51.52 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion:119 Resp: 566744
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 23.6 11.8 35.3

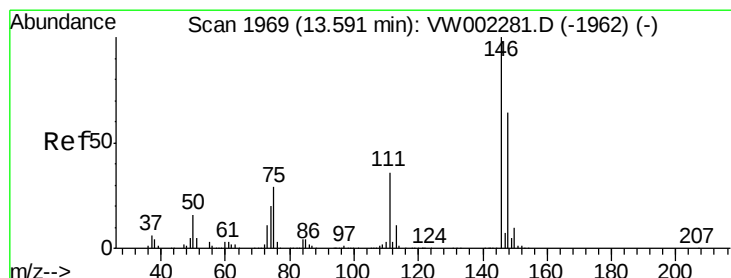
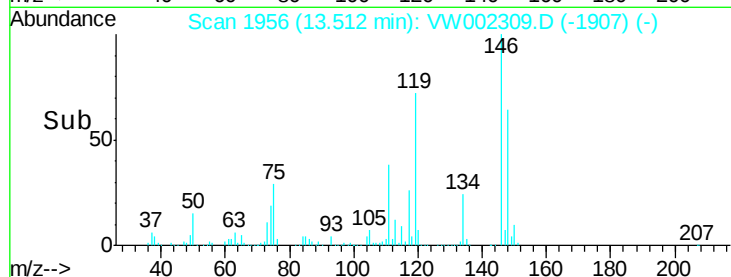
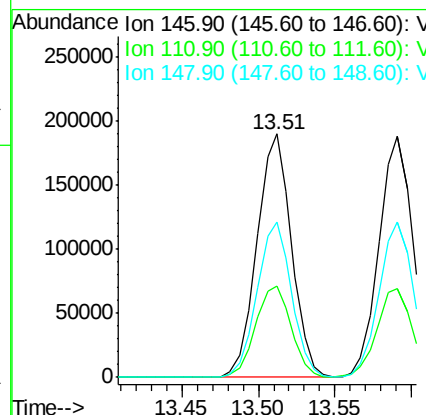
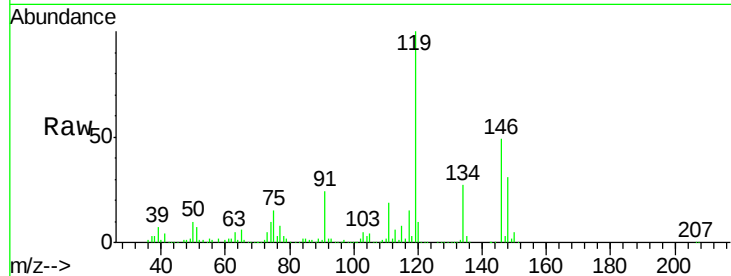




#87
 1,3-Dichlorobenzene
 Concen: 50.14 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

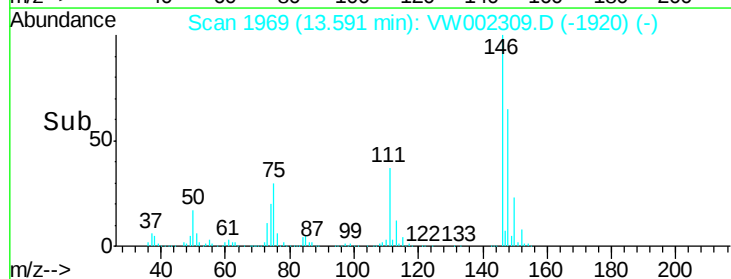
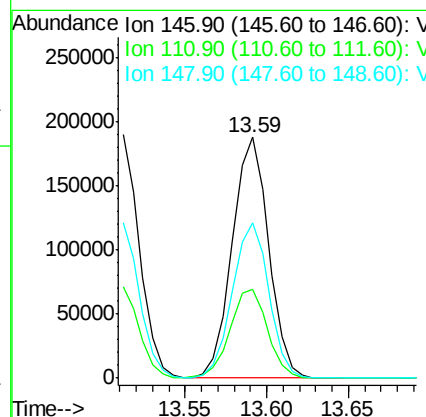
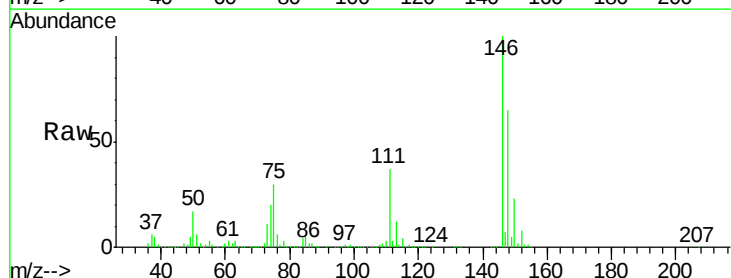
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

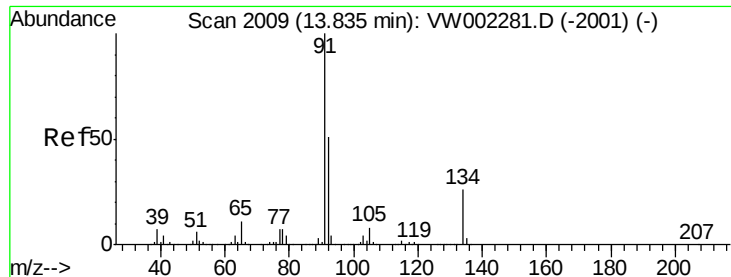
Tot Ion:146 Resp: 297703
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.3 57.8
 148 63.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 49.24 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion:146 Resp: 291847
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 64.6 32.3 96.9





#89

n-Butylbenzene

Concen: 51.80 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

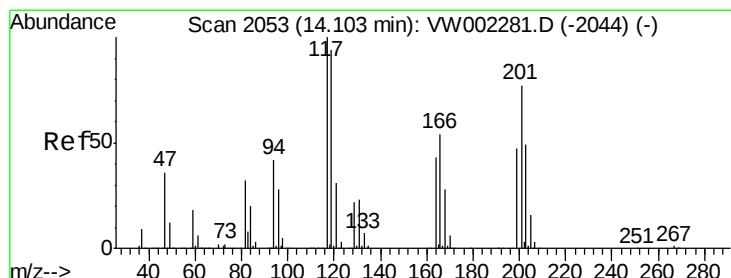
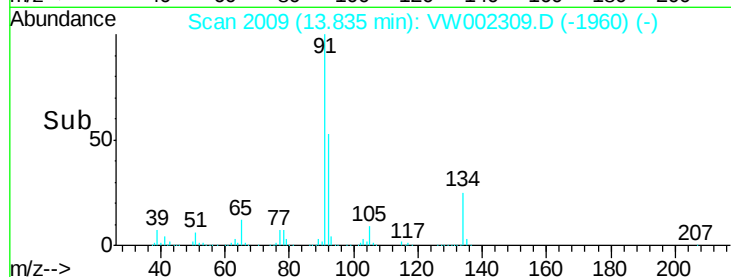
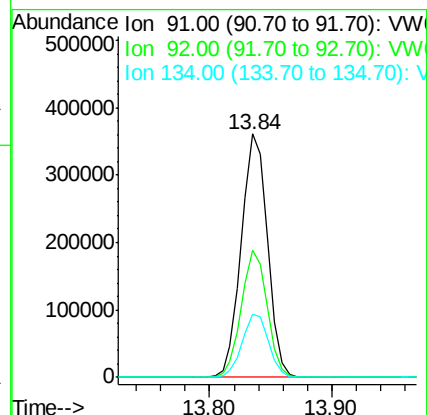
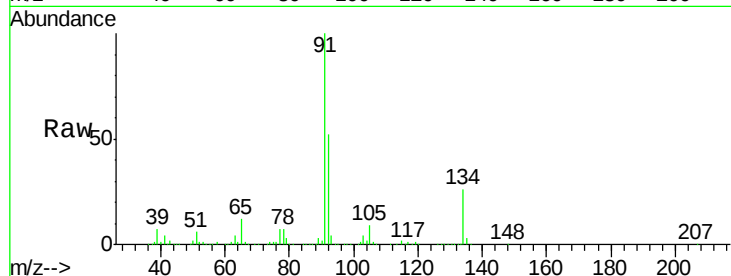
Tot Ion: 91 Resp: 533257

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.8

134 26.3 13.1 39.1



#90

Hexachloroethane

Concen: 50.46 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW002309.D

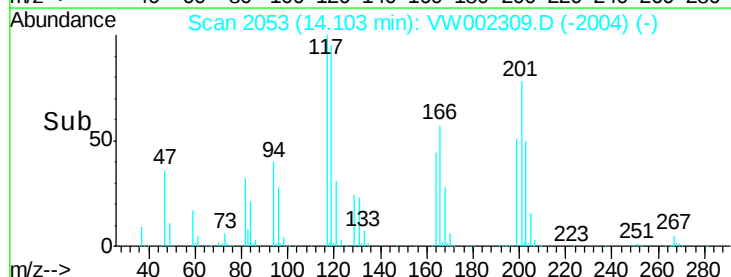
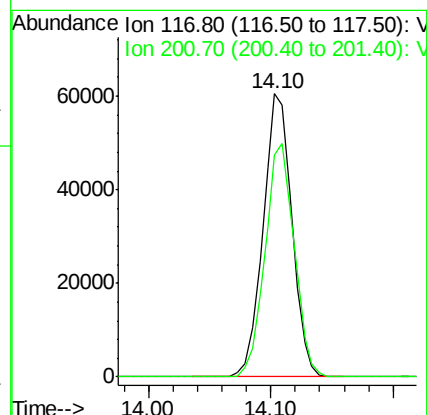
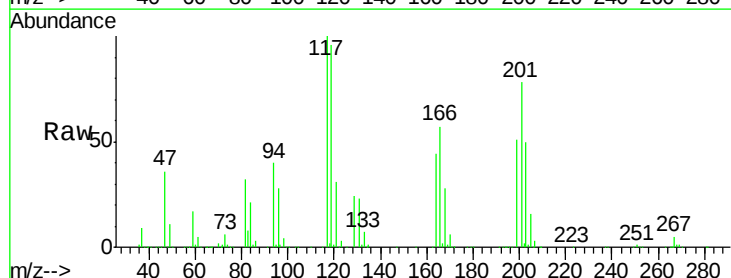
Acq: 08 May 2018 22:44

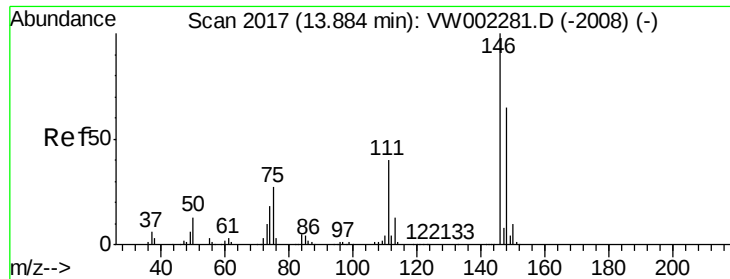
Tgt Ion: 117 Resp: 99272

Ion Ratio Lower Upper

117 100

201 83.3 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 49.21 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

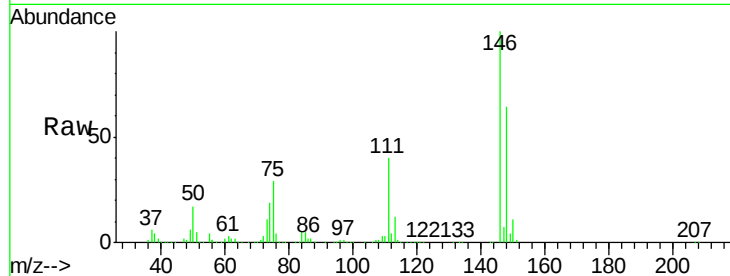
Tot Ion:146 Resp: 265089

Ion Ratio Lower Upper

146 100

111 40.4 20.0 59.9

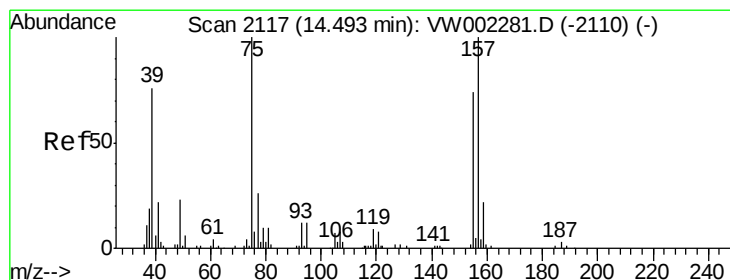
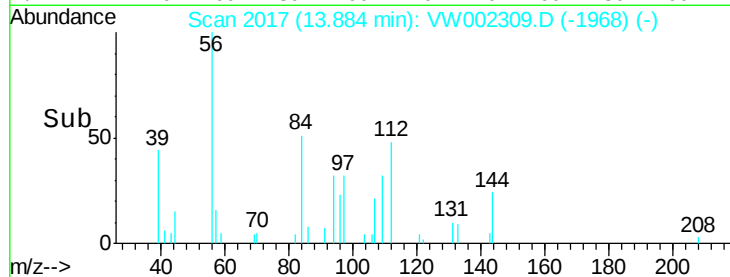
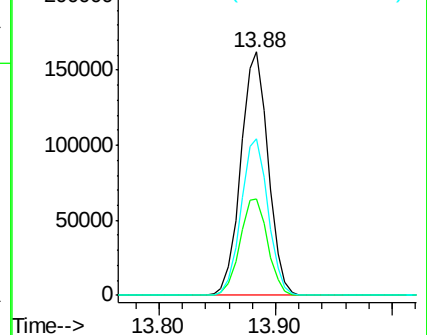
148 63.8 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.70 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW002309.D

Acq: 08 May 2018 22:44

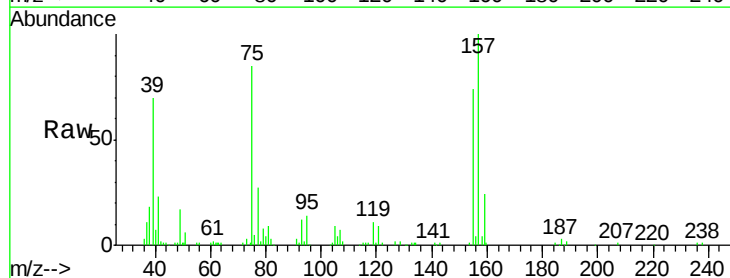
Tgt Ion: 75 Resp: 20557

Ion Ratio Lower Upper

75 100

155 90.0 43.3 129.8

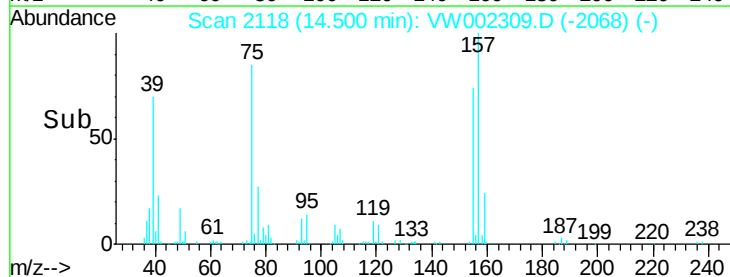
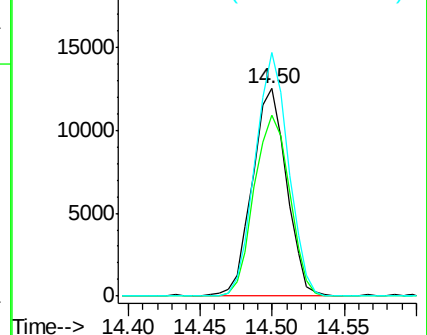
157 113.6 55.8 167.4

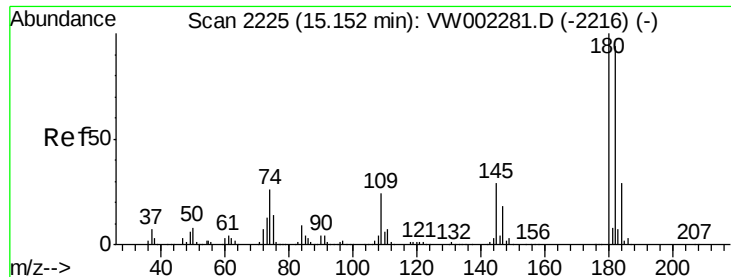


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

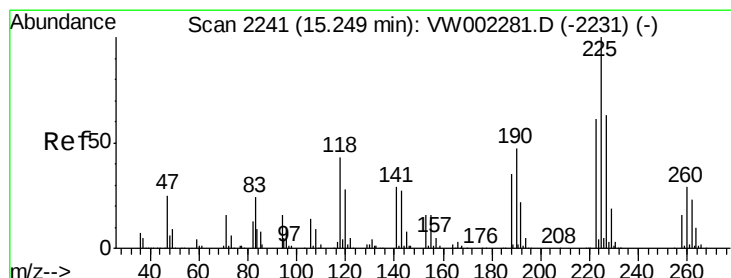
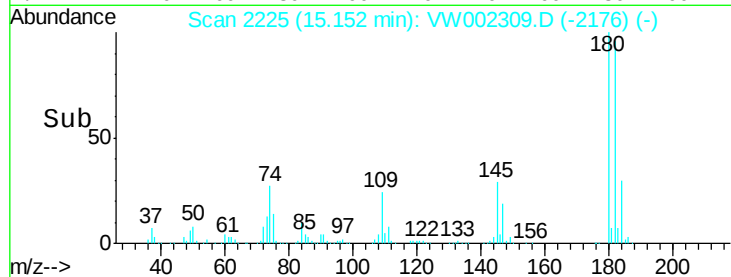
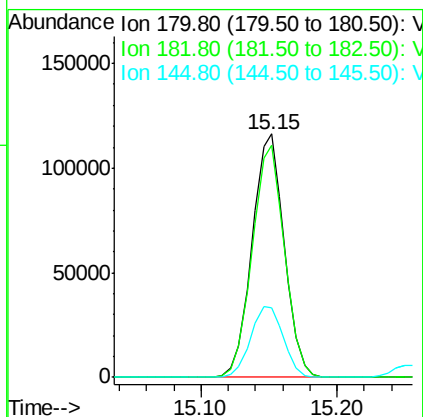
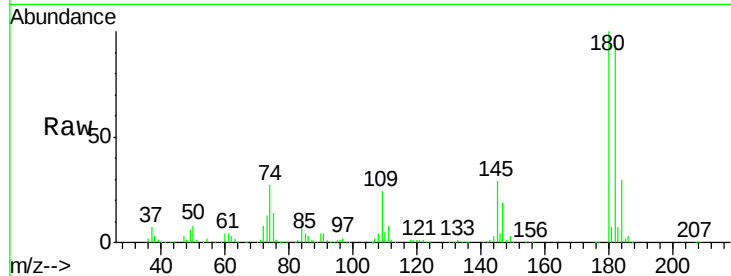




#93
 1,2,4-Trichlorobenzene
 Concen: 49.97 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

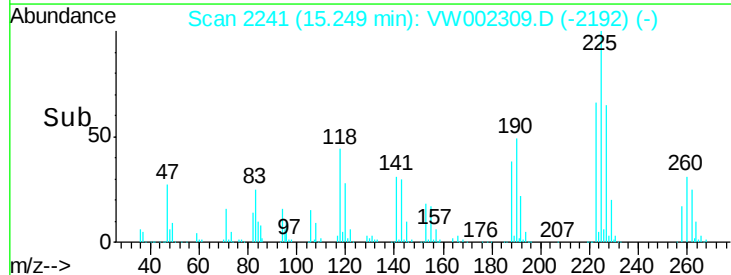
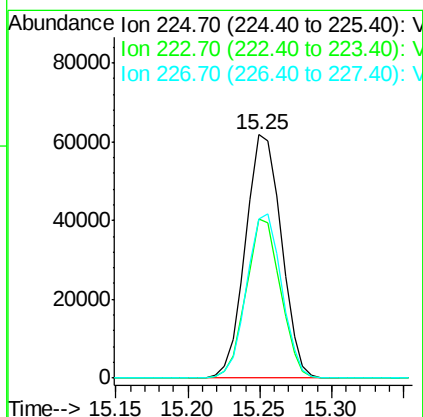
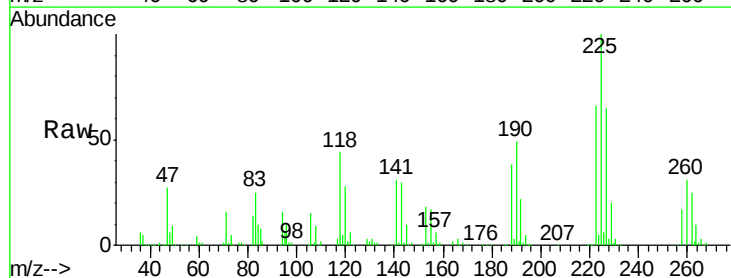
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

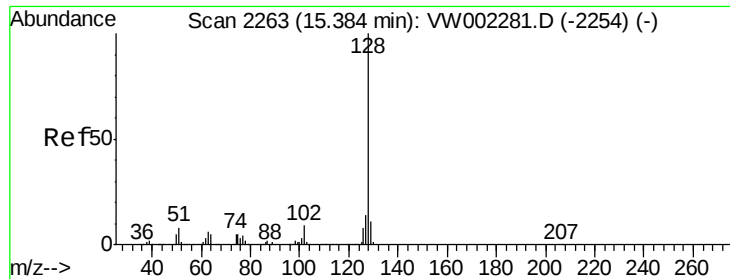
Tot Ion:180 Resp: 192428
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.3 141.8
 145 29.9 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 49.74 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW002309.D
 Acq: 08 May 2018 22:44

Tgt Ion:225 Resp: 106708
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.9 92.7
 227 65.5 32.0 96.0

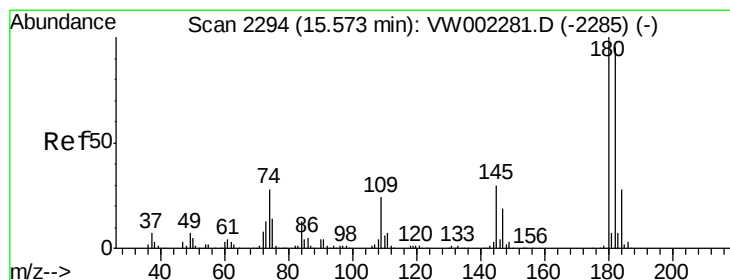
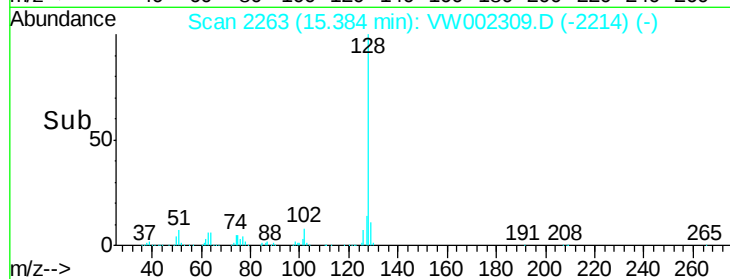
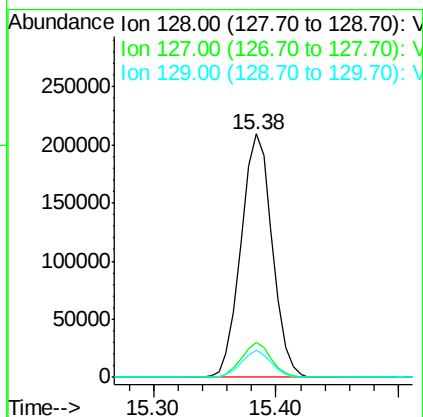
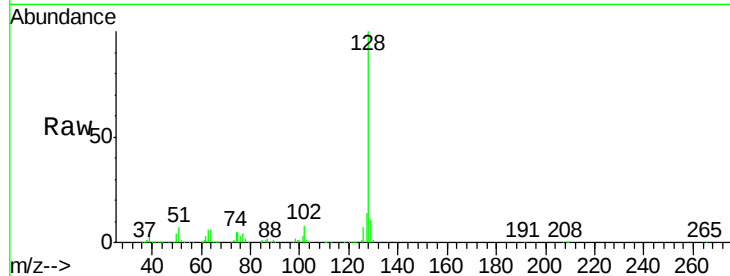




#95
Naphthalene
Concen: 52.34 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:128 Resp: 370526
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.63 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VW002309.D
Acq: 08 May 2018 22:44

Tgt Ion:180 Resp: 171381
Ion Ratio Lower Upper
180 100
182 95.3 48.0 144.0
145 30.9 15.7 47.0

