

Data File : VW009253.D
Acq On : 19 Mar 2019 21:01
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 4.01G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 20 07:35:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	299201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	167444	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	7.88	113	143393	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.32	98	536148	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	206522	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66296	37.025	ug/l	97
3) Chloromethane	2.22	50	111498	51.408	ug/l	99
4) Vinyl Chloride	2.37	62	153008	48.066	ug/l	100
5) Bromomethane	2.78	94	119818	46.154	ug/l	93
6) Chloroethane	2.93	64	117357	47.518	ug/l	99
7) Trichlorofluoromethane	3.26	101	96955	46.494	ug/l	99
8) Diethyl Ether	3.67	74	82410	54.797	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133890	44.323	ug/l	98
10) Methyl Iodide	4.28	142	207660	47.687	ug/l	97
11) Tert butyl alcohol	5.18	59	52247	282.778	ug/l	98
12) 1,1-Dichloroethene	4.04	96	128666	45.059	ug/l	93
13) Acrolein	3.89	56	37899	251.302	ug/l	96
14) Allyl chloride	4.65	41	214436	50.939	ug/l	97
15) Acrylonitrile	5.36	53	169438	268.081	ug/l	99
16) Acetone	4.12	43	161504	247.347	ug/l	92
17) Carbon Disulfide	4.38	76	353350	44.388	ug/l	96
18) Methyl Acetate	4.67	43	90805	54.188	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	201633	57.534	ug/l	100
20) Methylene Chloride	4.92	84	143838	52.843	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	140809	47.930	ug/l	93
22) Diisopropyl ether	6.31	45	483643	53.293	ug/l	97
23) Vinyl Acetate	6.25	43	1553524	272.827	ug/l	99
24) 1,1-Dichloroethane	6.21	63	272015	48.567	ug/l	98
25) 2-Butanone	7.17	43	254217	271.717	ug/l	100
26) 2,2-Dichloropropane	7.17	77	145765	46.579	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	162093	50.929	ug/l	99
28) Bromochloromethane	7.51	49	132290	53.850	ug/l	97
29) Tetrahydrofuran	7.52	42	166122	279.344	ug/l	99
30) Chloroform	7.67	83	287010	49.251	ug/l	98
31) Cyclohexane	7.95	56	233794	44.774	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	226074	48.601	ug/l	98
36) 1,1-Dichloropropene	8.08	75	212819	45.213	ug/l	99
37) Ethyl Acetate	7.25	43	113765	52.966	ug/l	99
38) Carbon Tetrachloride	8.07	117	221937	44.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	249993	45.905	ug/l	99
40) Benzene	8.32	78	602386	47.193	ug/l	99
41) Methacrylonitrile	7.48	41	68795	59.427	ug/l	91
42) 1,2-Dichloroethane	8.40	62	205147	49.166	ug/l	100
43) Isopropyl Acetate	8.42	43	224945	52.301	ug/l	99
44) Trichloroethene	9.09	130	156331	44.708	ug/l	97
45) 1,2-Dichloropropane	9.37	63	154961	47.756	ug/l	95
46) Dibromomethane	9.46	93	87955	49.293	ug/l	97
47) Bromodichloromethane	9.64	83	219473	48.674	ug/l	96
48) Methyl methacrylate	9.43	41	106170	53.318	ug/l	99
49) 1,4-Dioxane	9.45	88	29996	1083.816	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	599762	267.573	ug/l	100
52) Toluene	10.38	92	381893	47.218	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	222376	50.575	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	246117	49.754	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	118872	49.199	ug/l	96
56) Ethyl methacrylate	10.65	69	158354	55.041	ug/l	97
57) 1,3-Dichloropropane	10.93	76	208009	49.915	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	430018	510.824	ug/l	99
59) 2-Hexanone	10.97	43	417204	274.162	ug/l	98
60) Dibromochloromethane	11.13	129	146068	48.932	ug/l	98
61) 1,2-Dibromoethane	11.23	107	117594	51.101	ug/l	98
64) Tetrachloroethene	10.86	164	139907	46.089	ug/l	96
65) Chlorobenzene	11.66	112	426641	46.541	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	159147	46.479	ug/l	99
67) Ethyl Benzene	11.73	91	756314	47.633	ug/l	99
68) m/p-Xylenes	11.84	106	585732	95.174	ug/l	100
69) o-Xylene	12.16	106	280939	49.159	ug/l	98
70) Styrene	12.18	104	470102	49.890	ug/l	99
71) Bromoform	12.35	173	91157	48.740	ug/l #	99
73) Isopropylbenzene	12.46	105	779575	49.008	ug/l	100
74) N-amyl acetate	12.27	43	224036	53.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	151463	50.903	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	202803	90.680	ug/l #	100
77) Bromobenzene	12.75	156	181762	48.240	ug/l	99
78) n-propylbenzene	12.80	91	944268	48.334	ug/l	99
79) 2-Chlorotoluene	12.89	91	539049	48.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	673525	49.789	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45993	50.461	ug/l	96
82) 4-Chlorotoluene	12.99	91	571182	48.853	ug/l	100
83) tert-Butylbenzene	13.21	119	584119	50.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	690622	49.799	ug/l	100
85) sec-Butylbenzene	13.38	105	842806	49.337	ug/l	99
86) p-Isopropyltoluene	13.50	119	748662	49.216	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	370769	47.552	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	366314	47.184	ug/l	100
89) n-Butylbenzene	13.82	91	719540	49.276	ug/l	99
90) Hexachloroethane	14.10	117	143696	47.912	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	340366	48.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27118	50.897	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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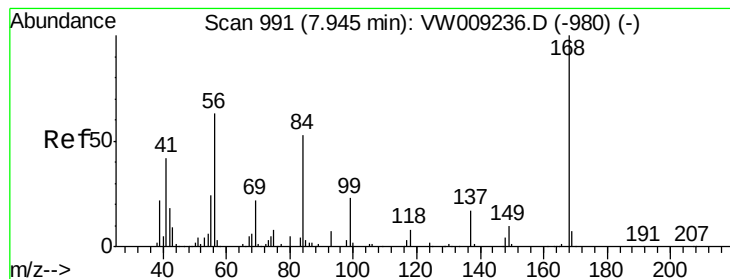
Quant Time: Mar 20 07:35:34 2019
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	233486	49.725	ug/l	99
94) Hexachlorobutadiene	15.24	225	137704	46.109	ug/l	100
95) Naphthalene	15.37	128	451187	55.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	209440	49.968	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

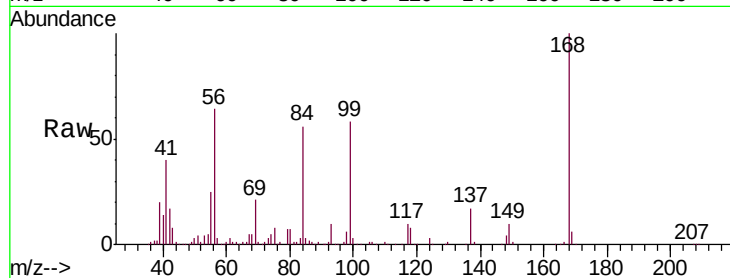
VSTDCCC050EC

Tgt Ion:168 Resp: 299201

Ion Ratio Lower Upper

168 100

99 57.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

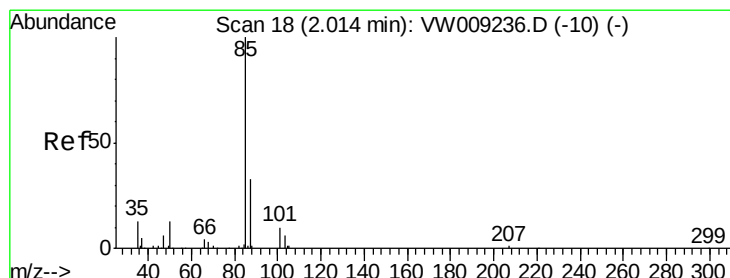
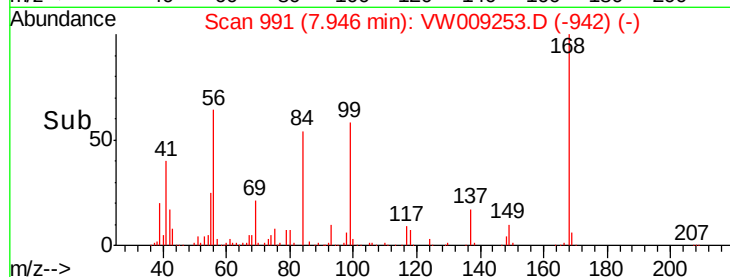
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 37.025 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009253.D

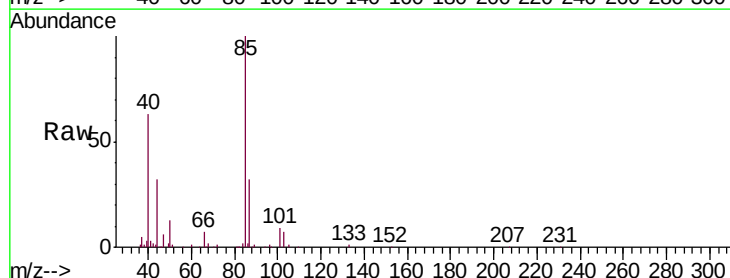
Acq: 19 Mar 2019 21:01

Tgt Ion: 85 Resp: 66296

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

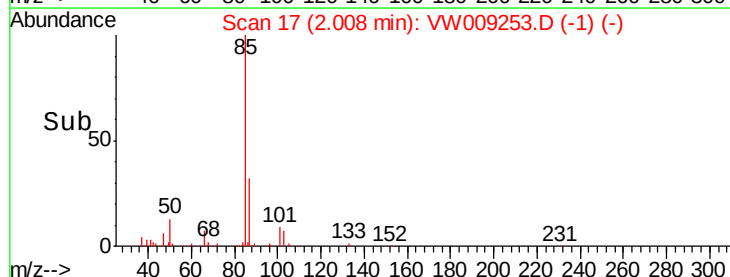
10000

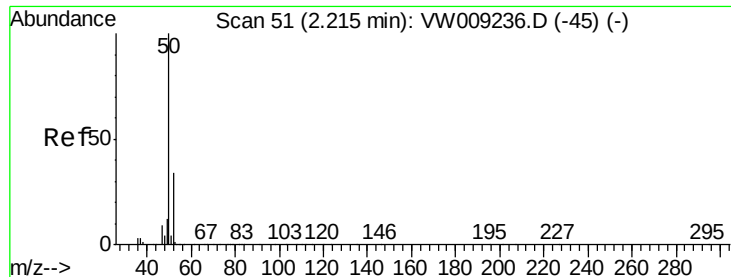
5000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.408 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

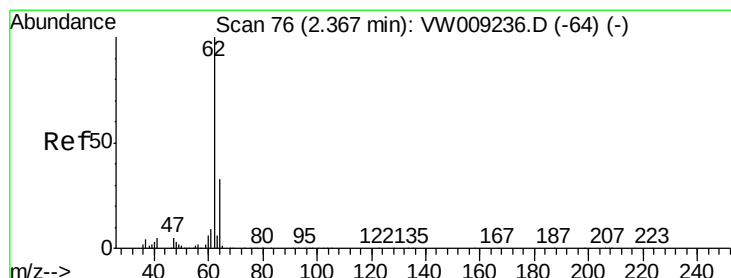
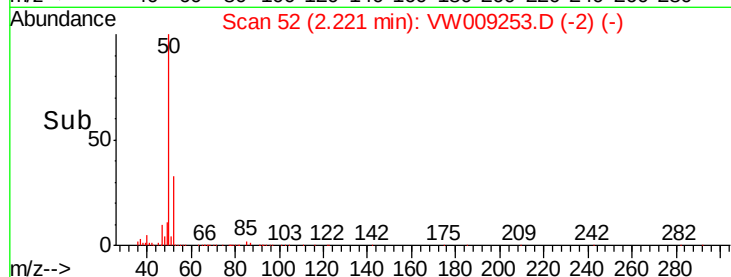
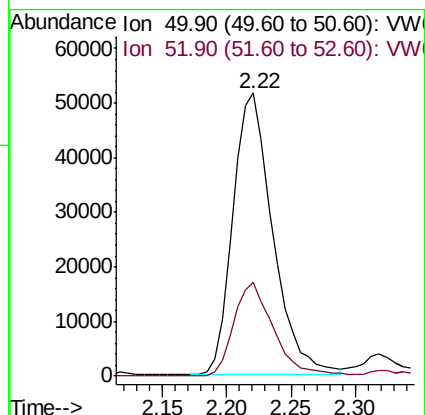
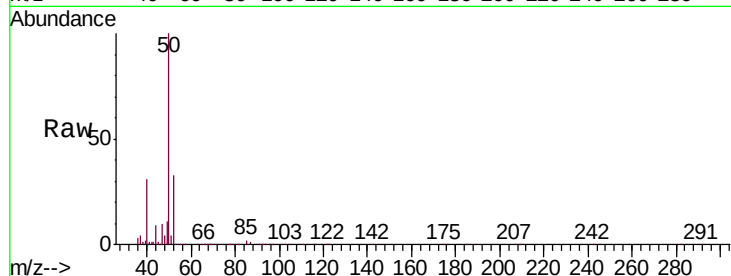
VSTDCCC050EC

Tgt Ion: 50 Resp: 111498

Ion Ratio Lower Upper

50 100

52 33.2 27.2 40.8



#4

Vinyl Chloride

Concen: 48.066 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009253.D

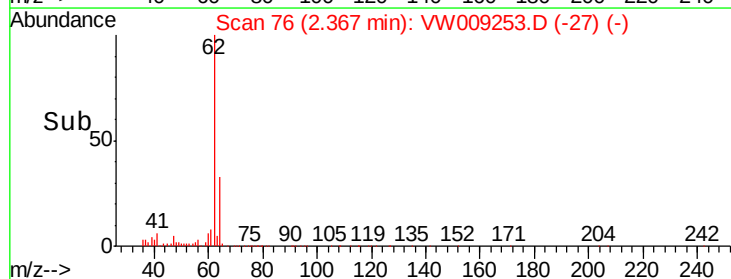
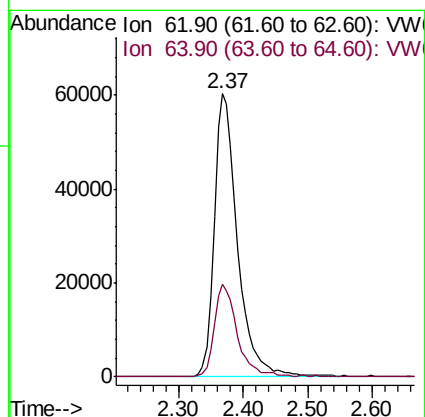
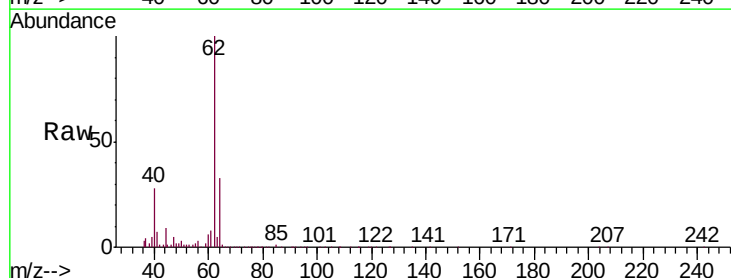
Acq: 19 Mar 2019 21:01

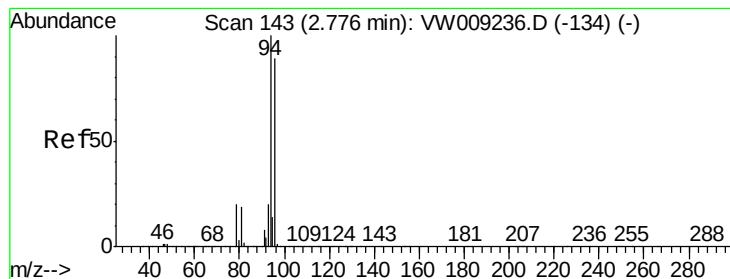
Tgt Ion: 62 Resp: 153008

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 46.154 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

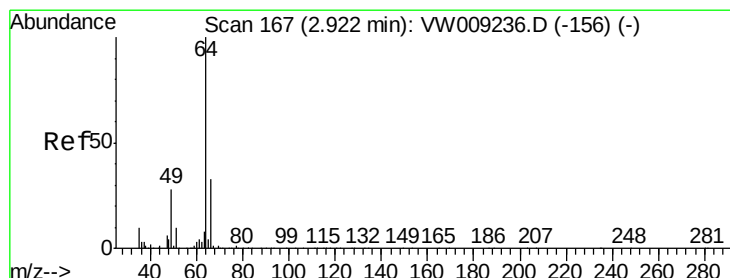
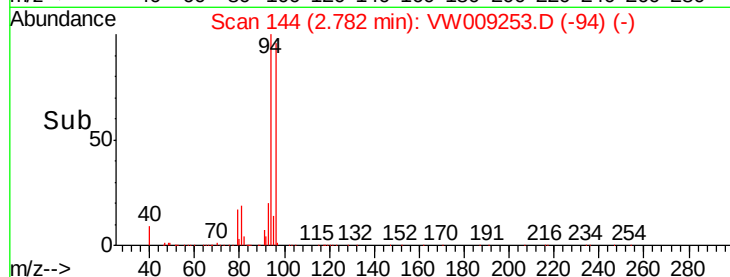
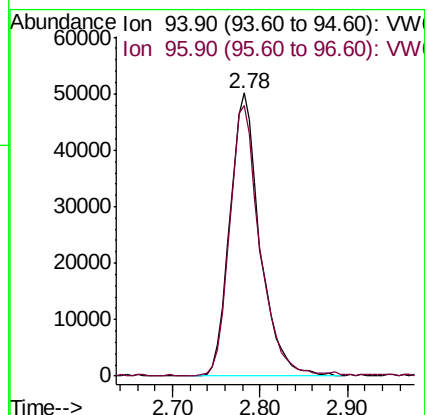
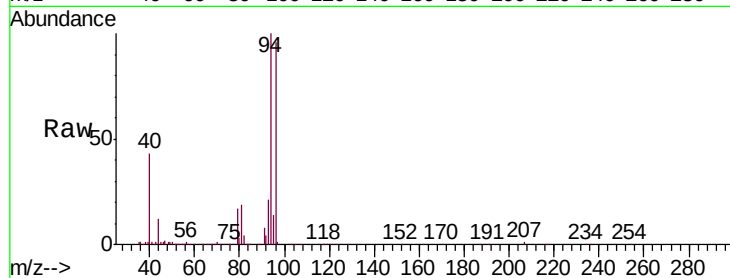
VSTDCCC050EC

Tgt Ion: 94 Resp: 119818

Ion Ratio Lower Upper

94 100

96 95.5 71.4 107.2



#6

Chloroethane

Concen: 47.518 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009253.D

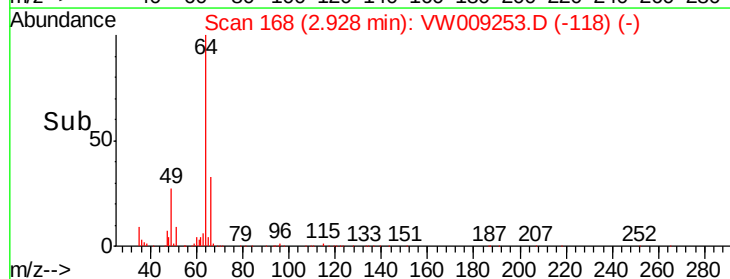
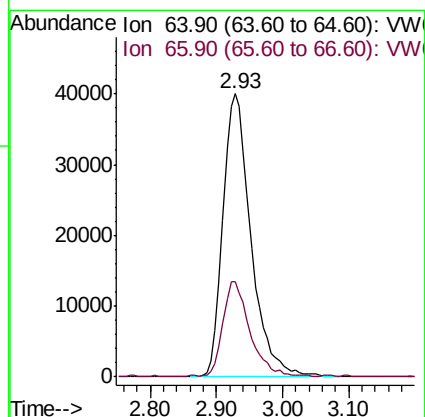
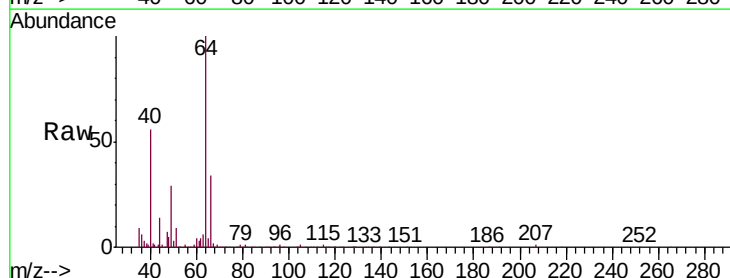
Acq: 19 Mar 2019 21:01

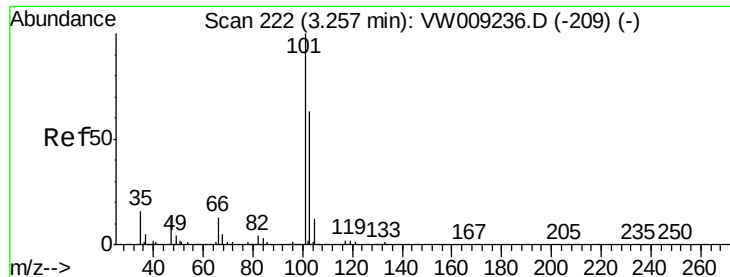
Tgt Ion: 64 Resp: 117357

Ion Ratio Lower Upper

64 100

66 33.4 26.2 39.2



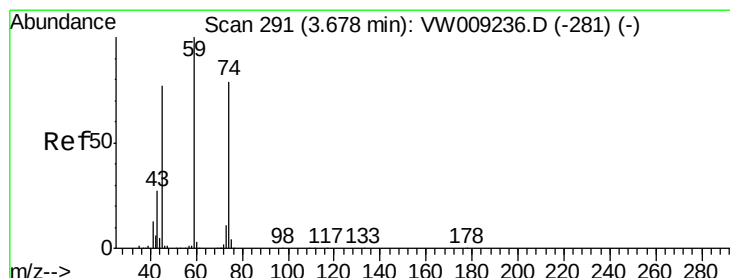
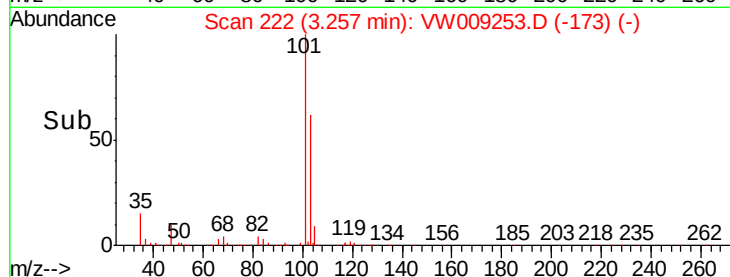
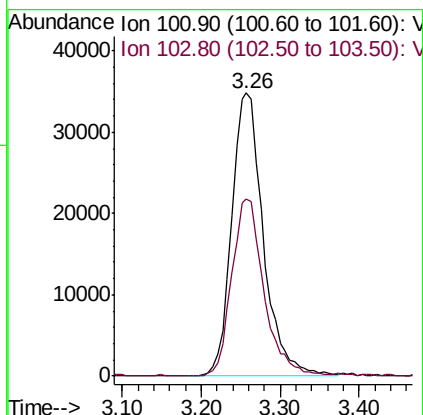
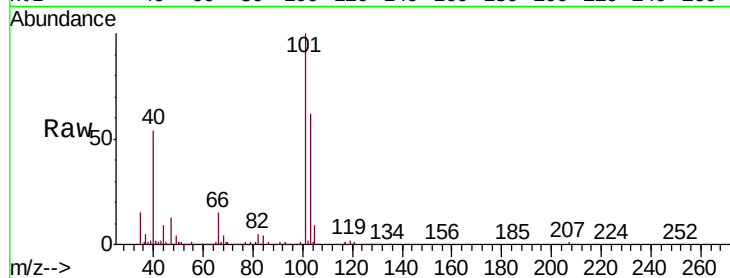


#7

Trichlorofluoromethane
Concen: 46.494 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
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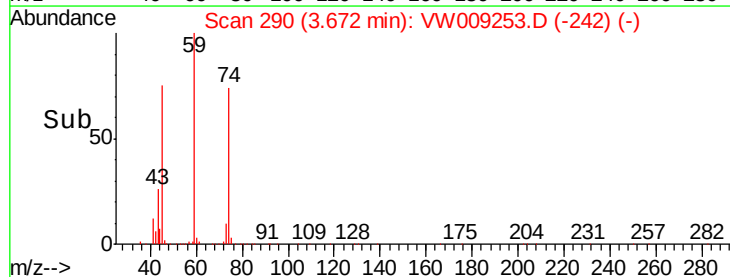
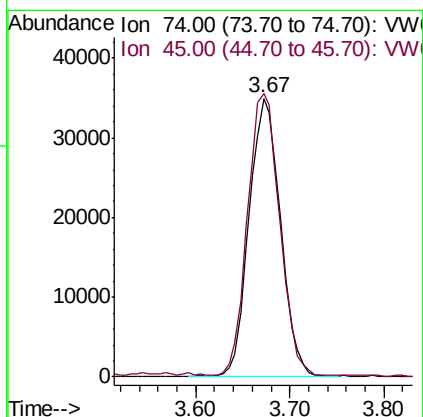
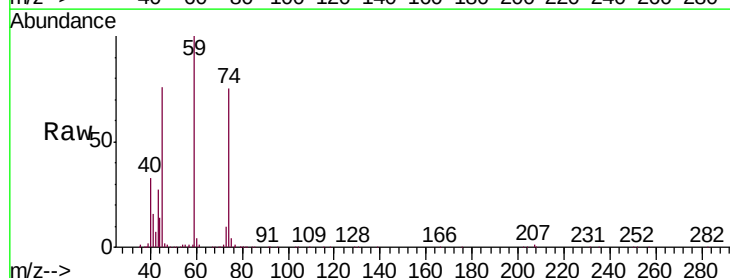
Tgt Ion:101 Resp: 96955
Ion Ratio Lower Upper
101 100
103 62.4 50.5 75.7

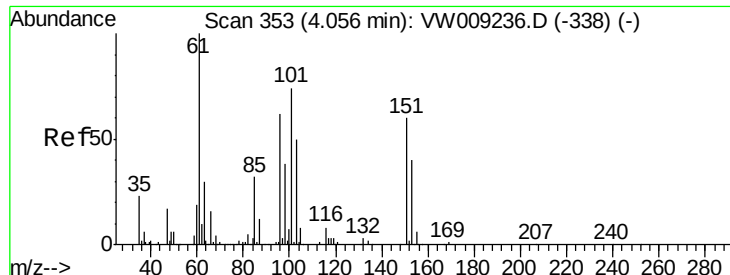


#8

Diethyl Ether
Concen: 54.797 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 74 Resp: 82410
Ion Ratio Lower Upper
74 100
45 102.9 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.323 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

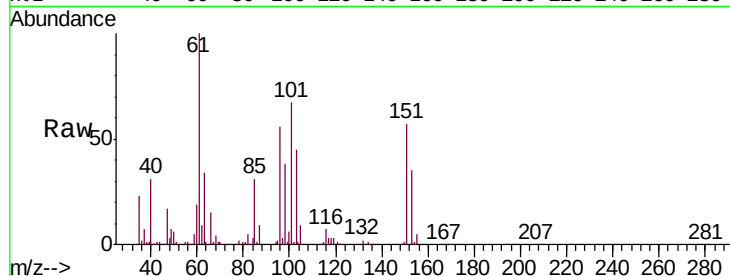
Tgt Ion:101 Resp: 133890

Ion Ratio Lower Upper

101 100

85 47.0 35.1 52.7

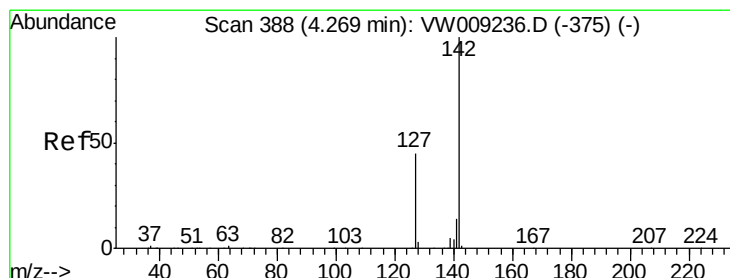
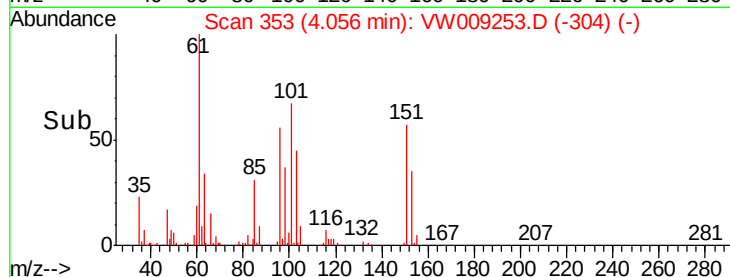
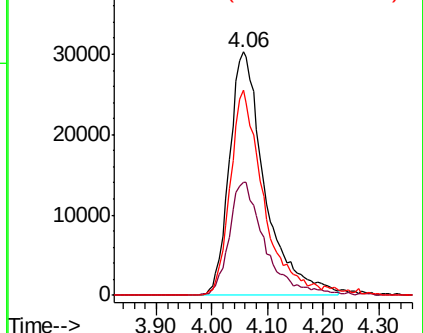
151 79.0 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.687 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

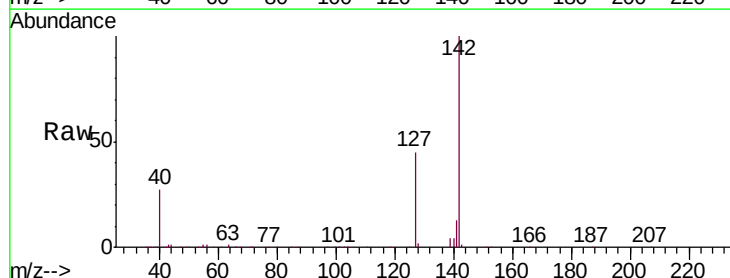
Tgt Ion:142 Resp: 207660

Ion Ratio Lower Upper

142 100

127 46.7 35.9 53.9

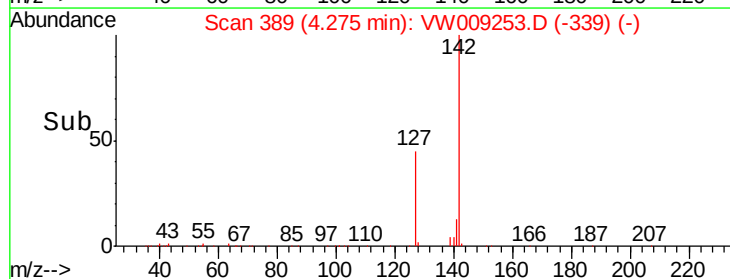
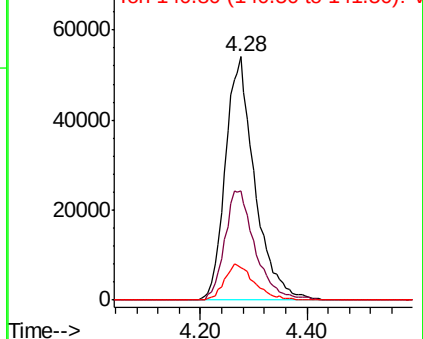
141 15.2 11.4 17.2

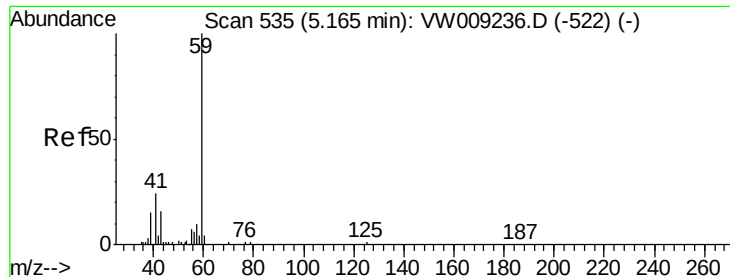


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

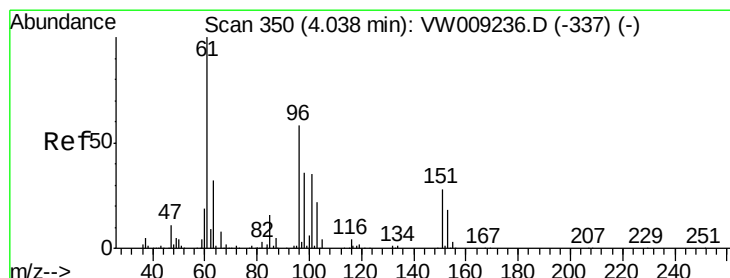
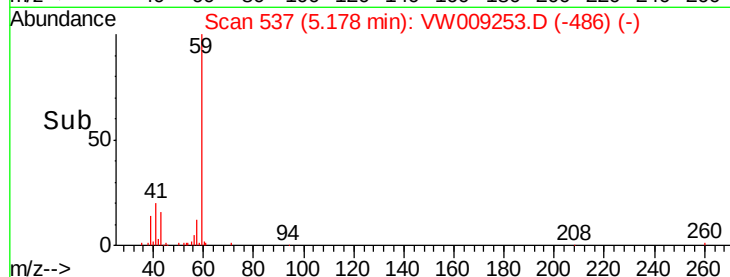
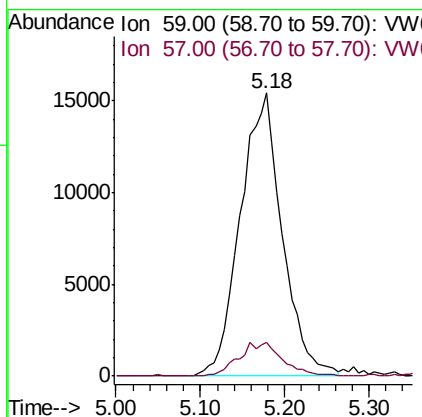
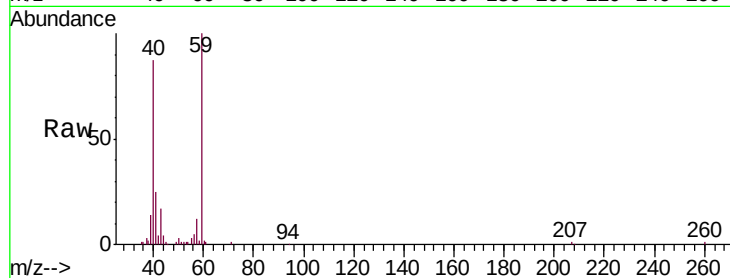




#11
Tert butyl alcohol
Concen: 282.778 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

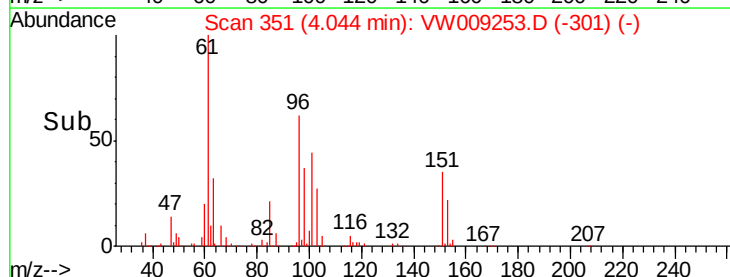
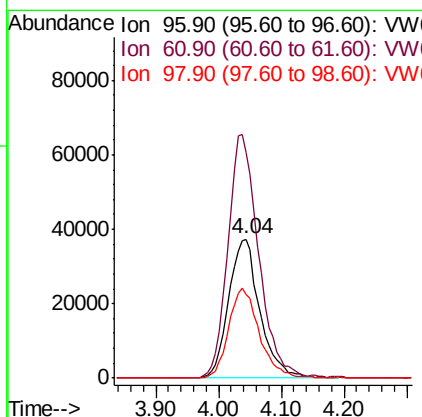
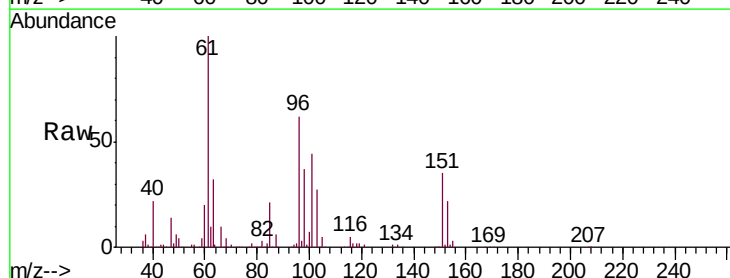
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

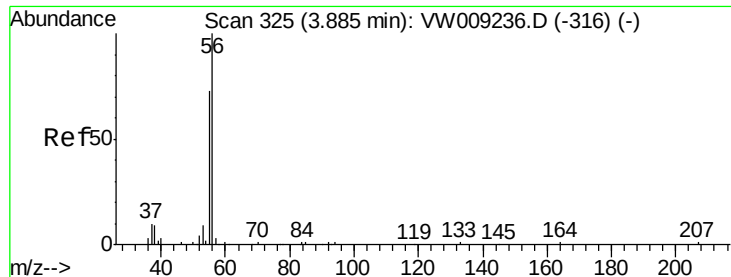
Tgt Ion: 59 Resp: 52247
Ion Ratio Lower Upper
59 100
57 12.5 9.4 14.0



#12
1,1-Dichloroethene
Concen: 45.059 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 96 Resp: 128666
Ion Ratio Lower Upper
96 100
61 161.8 138.0 207.0
98 59.9 49.8 74.8

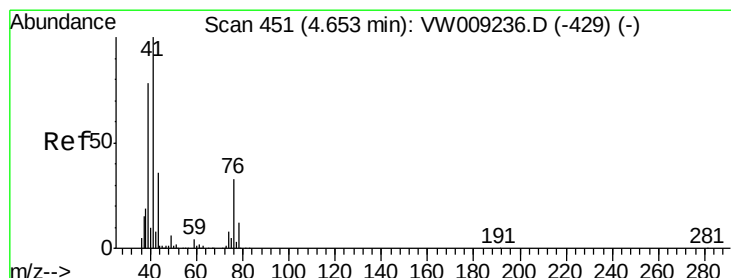
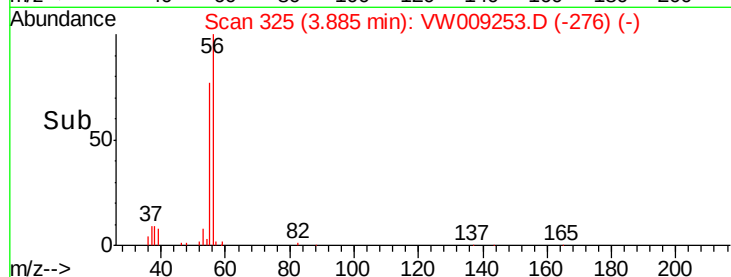
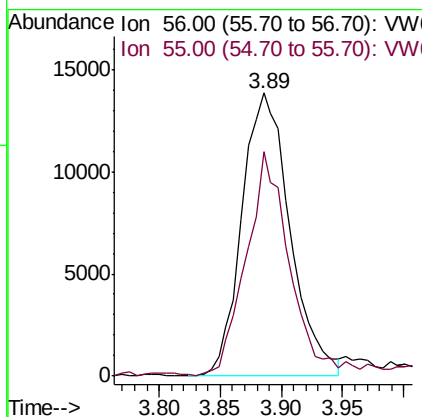
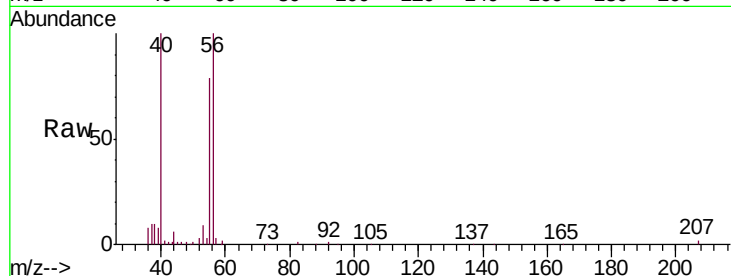




#13
Acrolein
Concen: 251.302 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

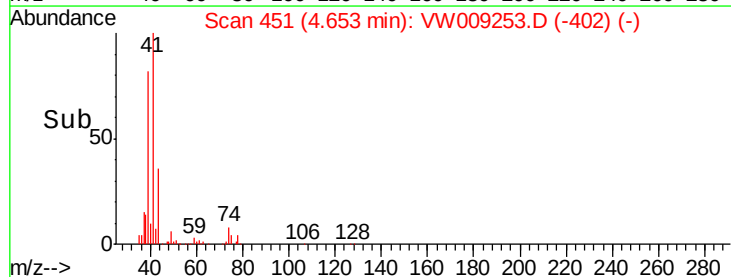
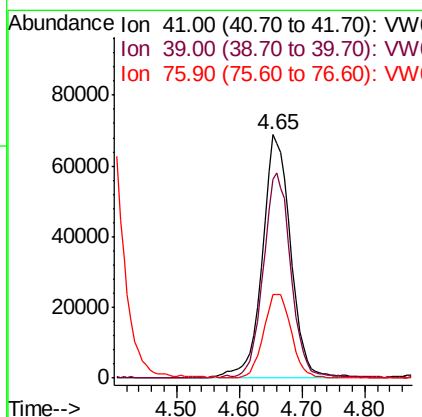
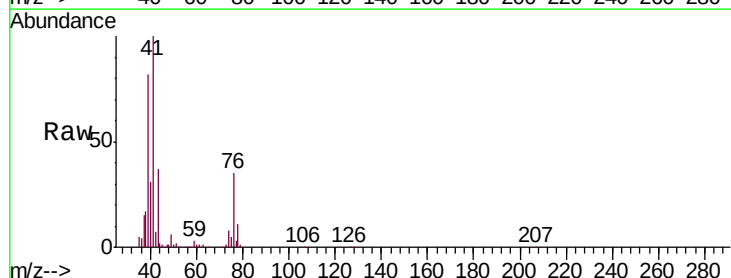
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

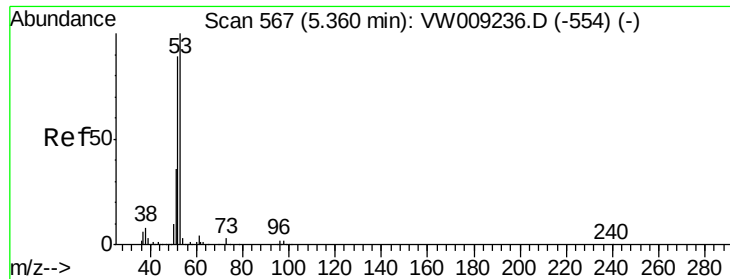
Tgt Ion: 56 Resp: 37899
Ion Ratio Lower Upper
56 100
55 72.0 55.2 82.8



#14
Allyl chloride
Concen: 50.939 ug/l
RT: 4.65 min Scan# 451
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 41 Resp: 214436
Ion Ratio Lower Upper
41 100
39 82.2 63.8 95.6
76 33.0 27.8 41.6





#15

Acrylonitrile

Concen: 268.081 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

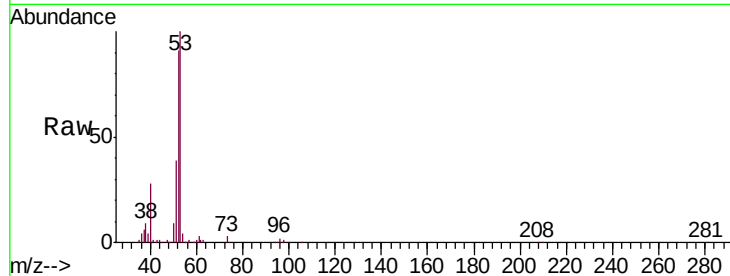
Tgt Ion: 53 Resp: 169438

Ion Ratio Lower Upper

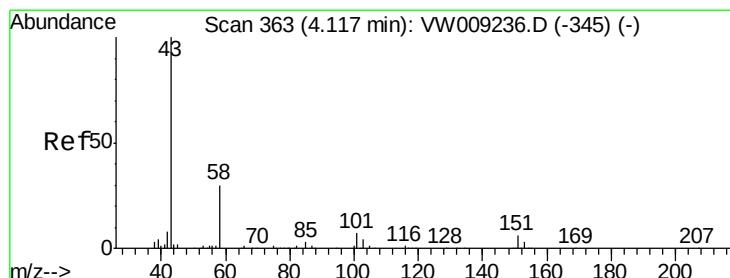
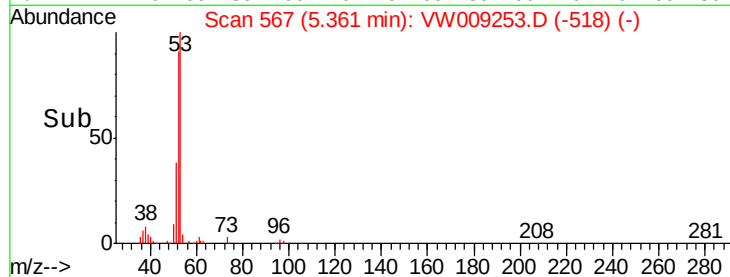
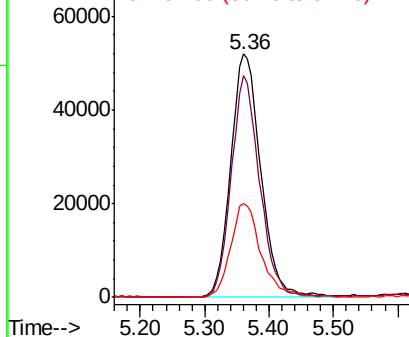
53 100

52 85.9 67.6 101.4

51 38.9 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 247.347 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009253.D

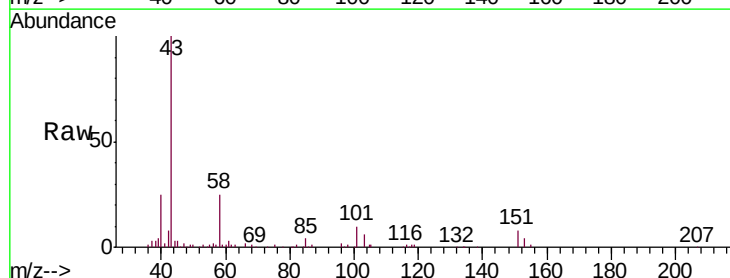
Acq: 19 Mar 2019 21:01

Tgt Ion: 43 Resp: 161504

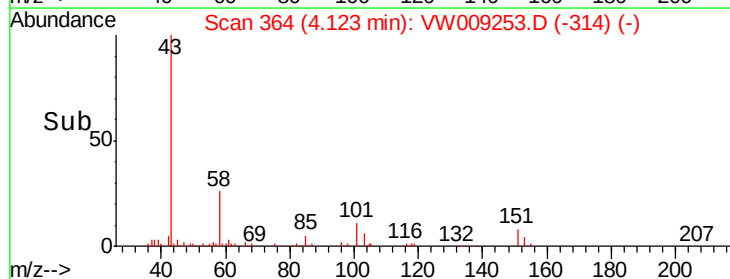
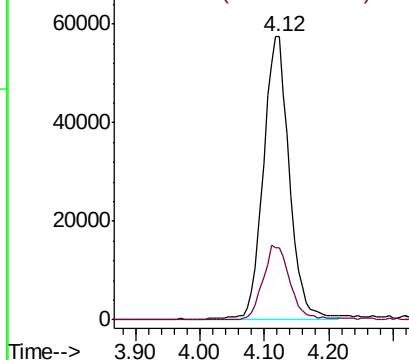
Ion Ratio Lower Upper

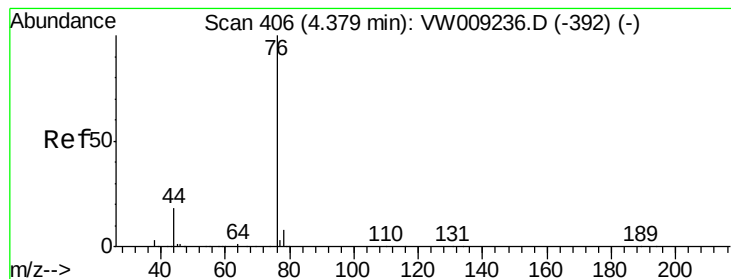
43 100

58 25.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 44.388 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

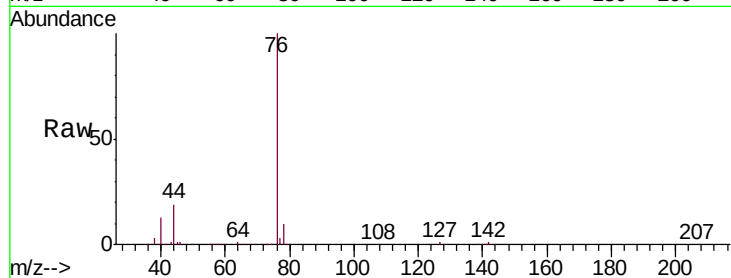
VSTDCCC050EC

Tgt Ion: 76 Resp: 353350

Ion Ratio Lower Upper

76 100

78 9.5 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

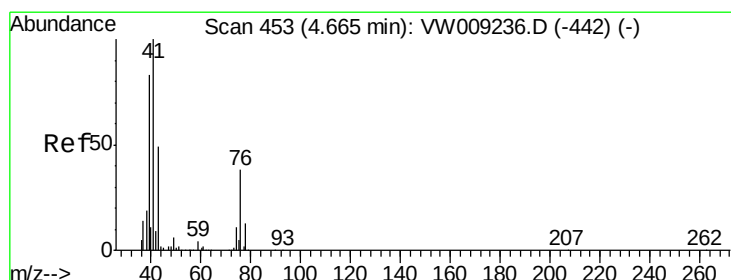
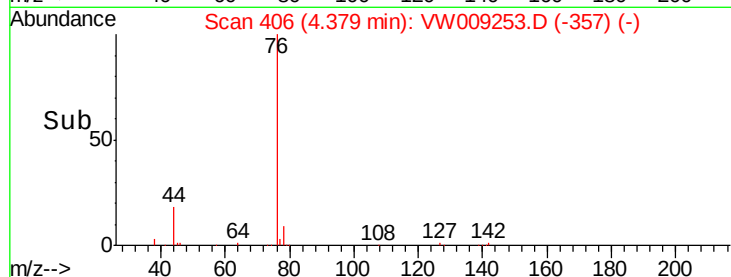
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.188 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009253.D

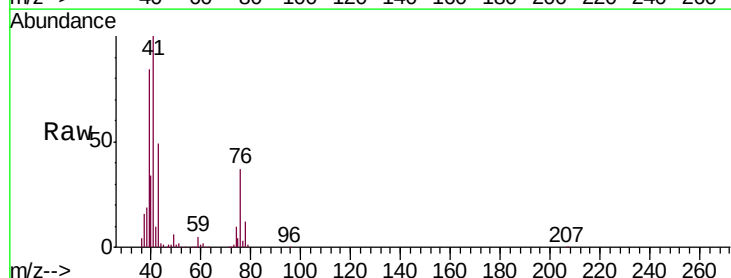
Acq: 19 Mar 2019 21:01

Tgt Ion: 43 Resp: 90805

Ion Ratio Lower Upper

43 100

74 21.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

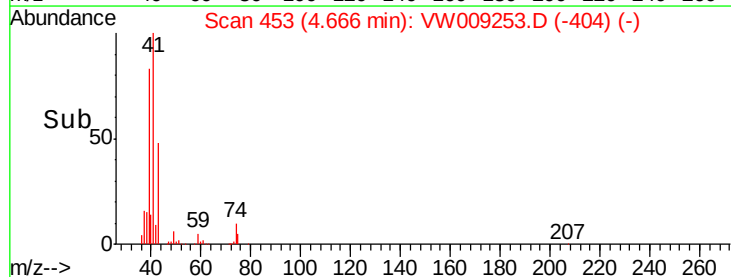
30000

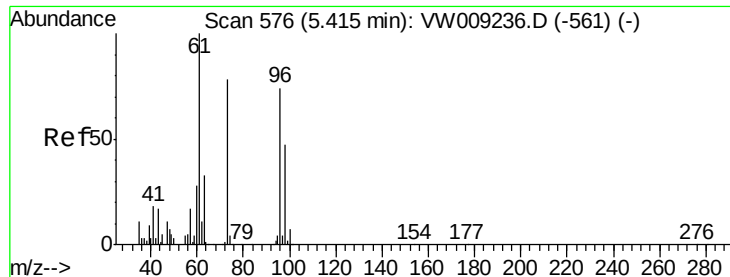
20000

10000

0

Time-->



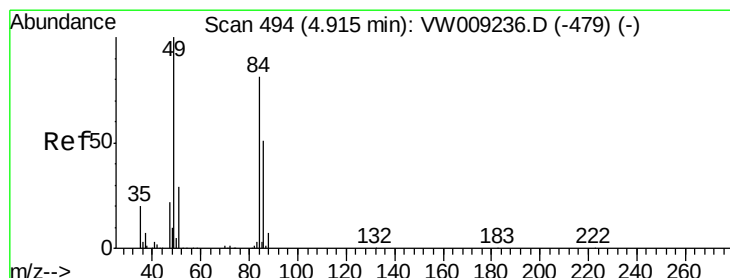
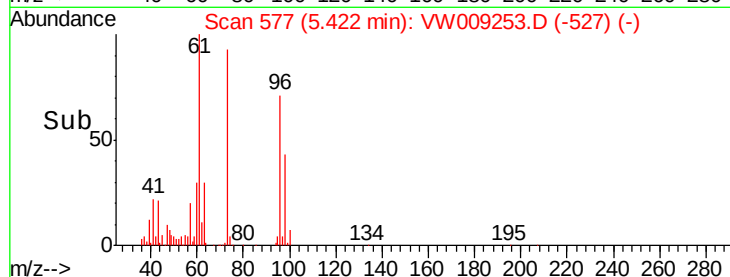
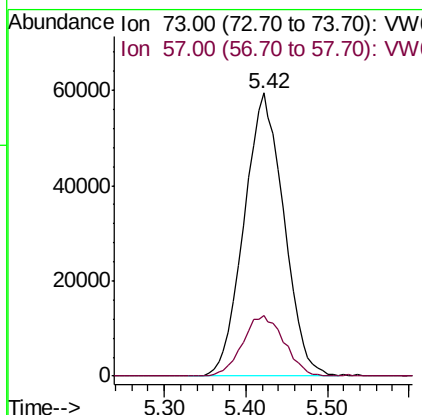
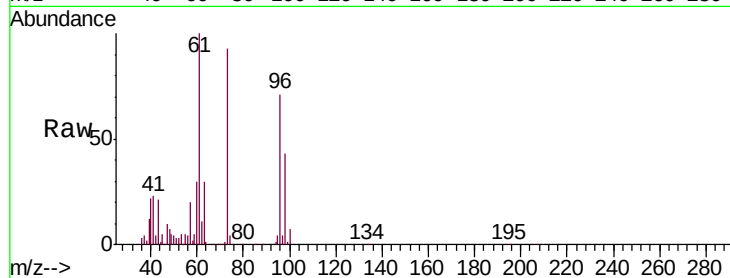


#19

Methyl tert-butyl Ether
 Concen: 57.534 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

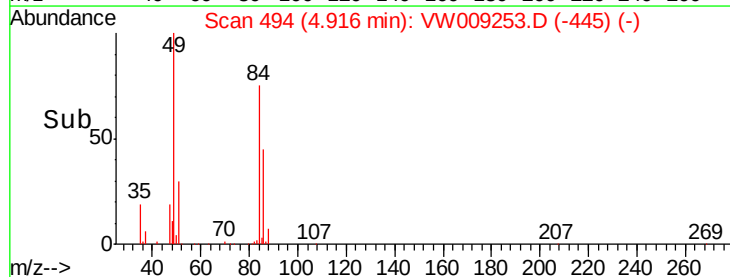
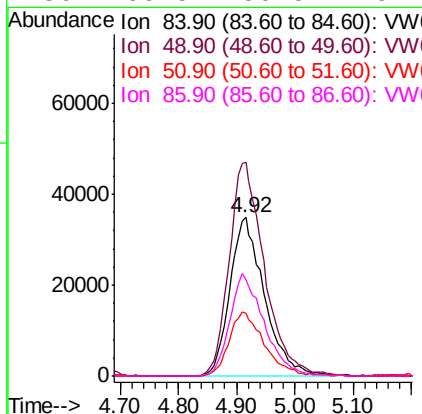
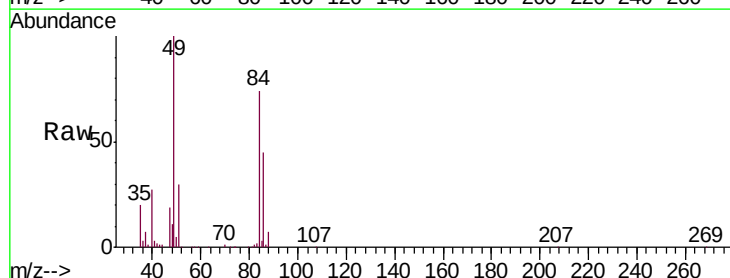
Tgt Ion: 73 Resp: 201633
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.0 25.6

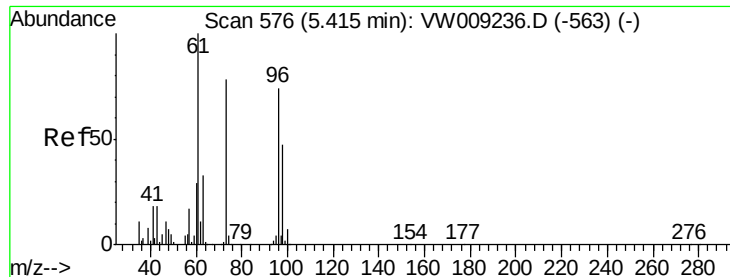


#20

Methylene Chloride
 Concen: 52.843 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion: 84 Resp: 143838
 Ion Ratio Lower Upper
 84 100
 49 134.8 99.1 148.7
 51 39.6 28.7 43.1
 86 60.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.930 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

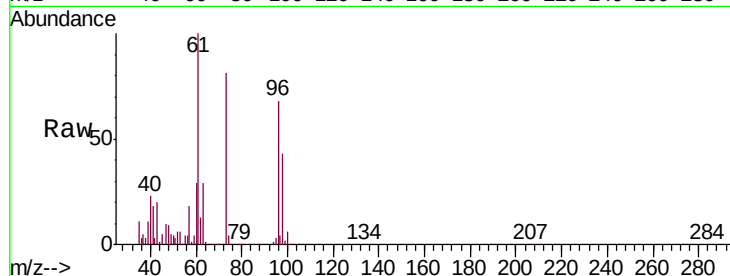
Tgt Ion: 96 Resp: 140809

Ion Ratio Lower Upper

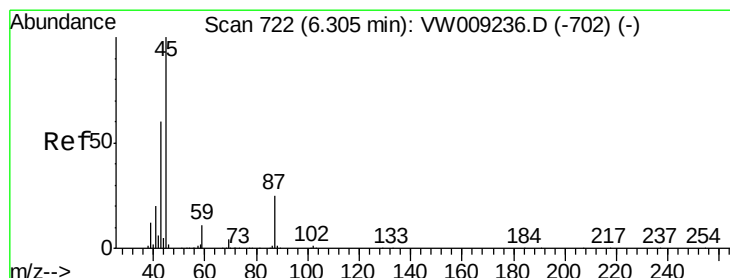
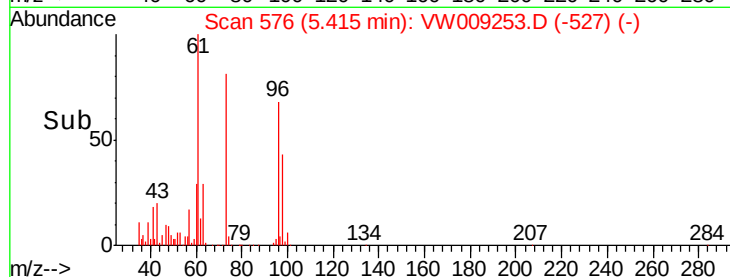
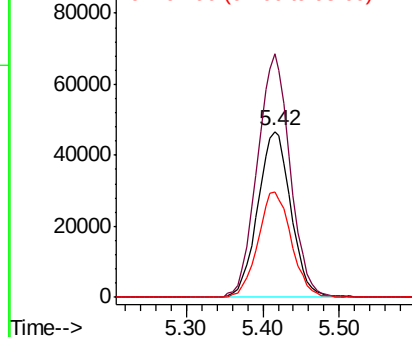
96 100

61 146.9 108.2 162.4

98 63.4 50.9 76.3



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



#22

Diisopropyl ether

Concen: 53.293 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion: 45 Resp: 483643

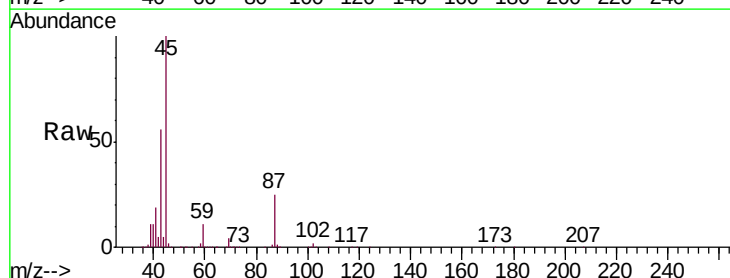
Ion Ratio Lower Upper

45 100

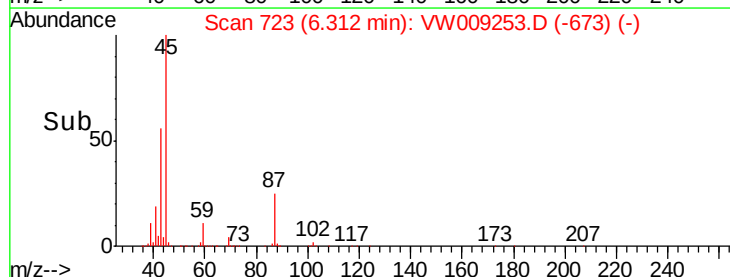
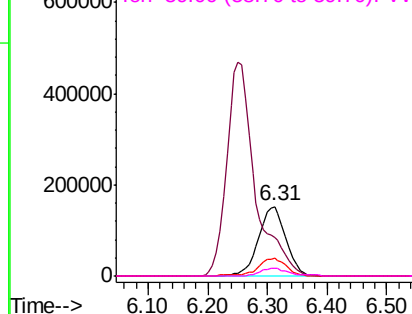
43 56.2 47.9 71.9

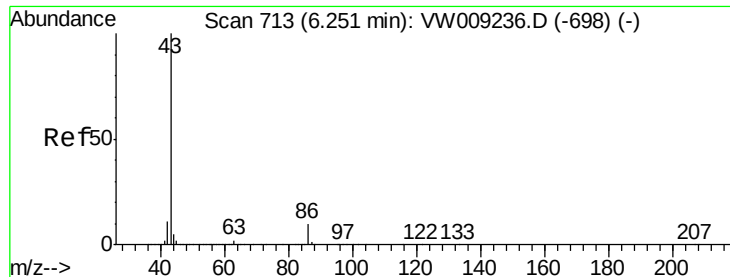
87 25.2 20.6 30.8

59 10.8 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 272.827 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

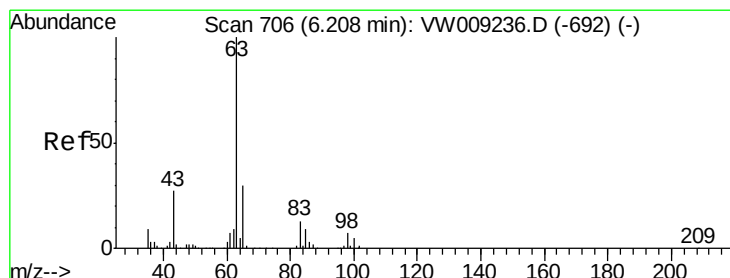
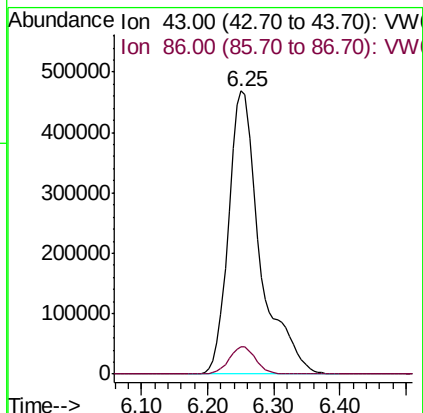
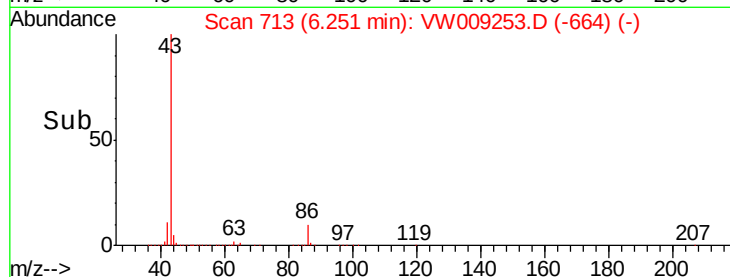
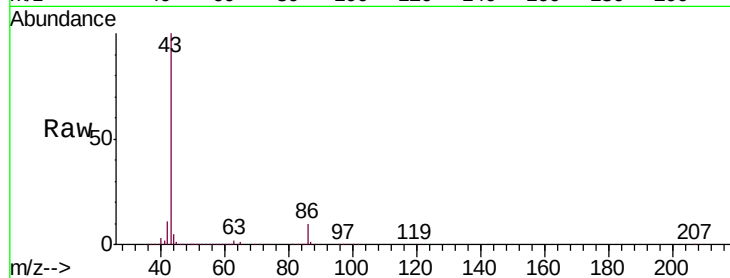
VSTDCCC050EC

Tgt Ion: 43 Resp: 1553524

Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5



#24

1,1-Dichloroethane

Concen: 48.567 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

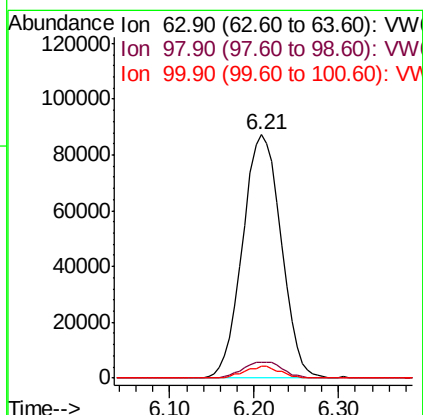
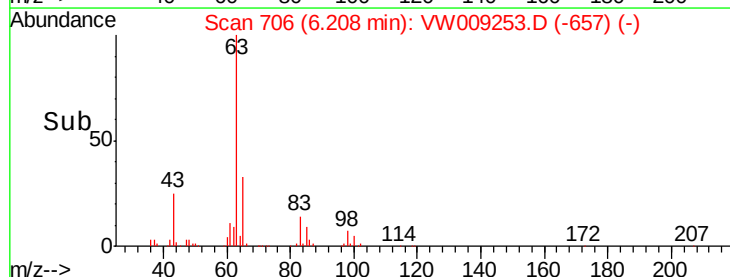
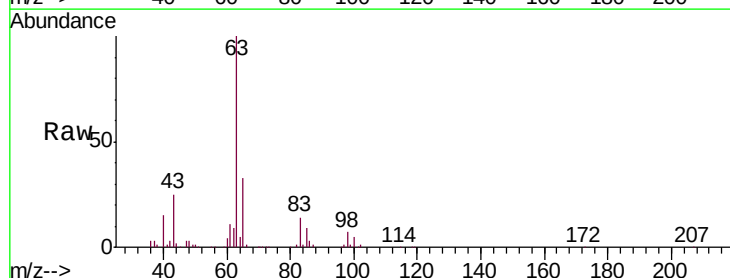
Tgt Ion: 63 Resp: 272015

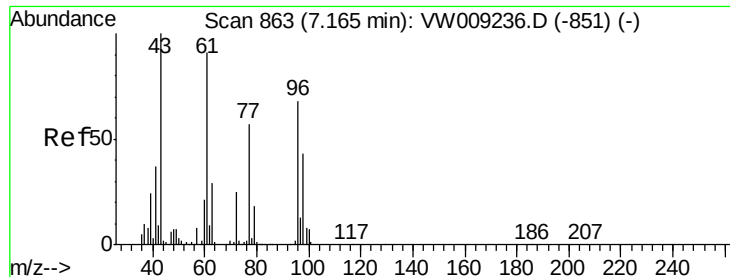
Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

100 4.9 2.4 7.1

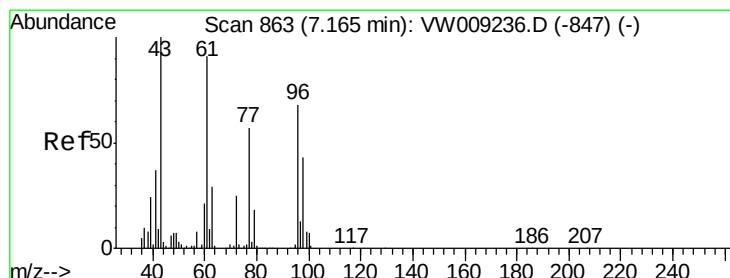
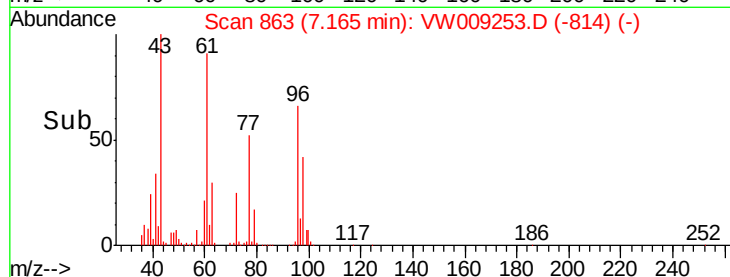
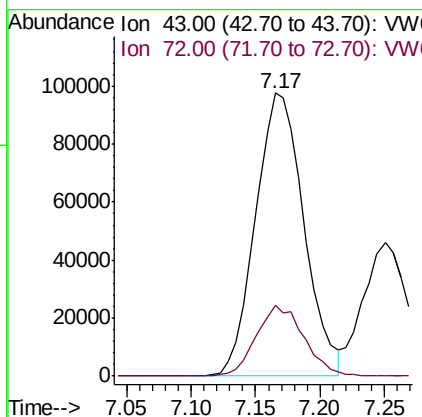
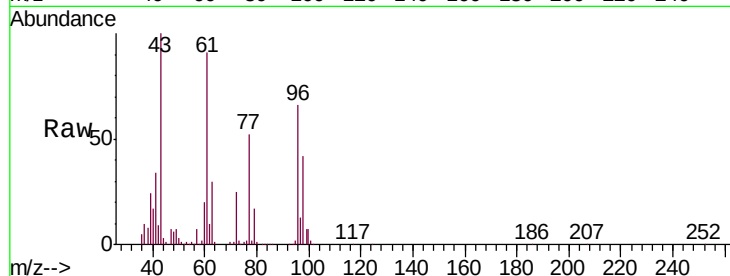




#25
 2-Butanone
 Concen: 271.717 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

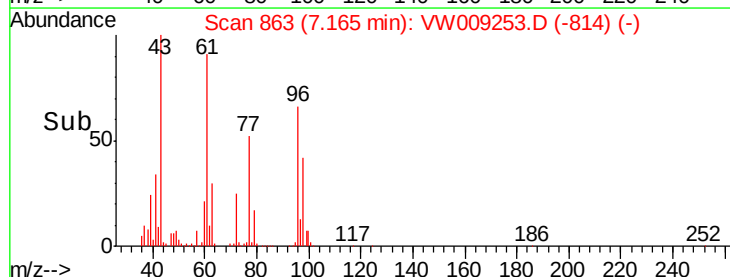
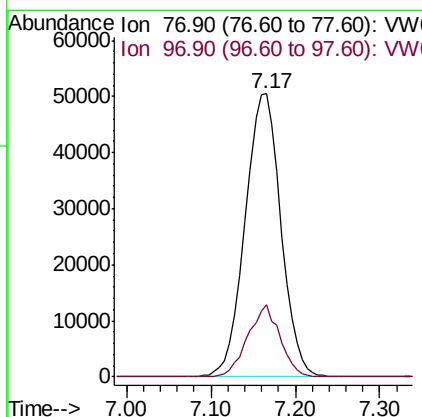
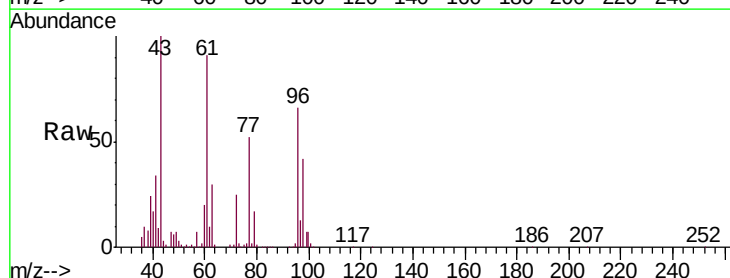
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

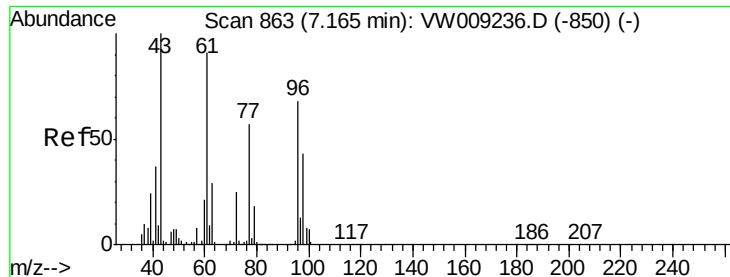
Tgt Ion: 43 Resp: 254217
 Ion Ratio Lower Upper
 43 100
 72 25.2 20.0 30.0



#26
 2,2-Dichloropropane
 Concen: 46.579 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion: 77 Resp: 145765
 Ion Ratio Lower Upper
 77 100
 97 22.8 11.6 34.7



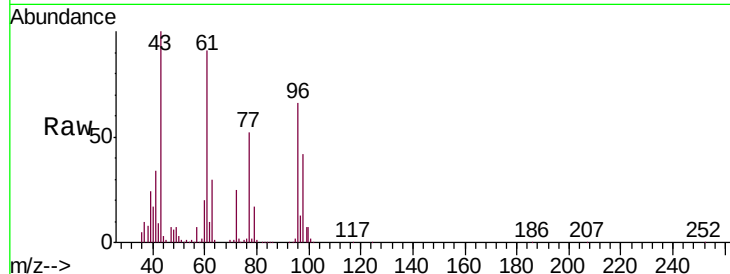


#27

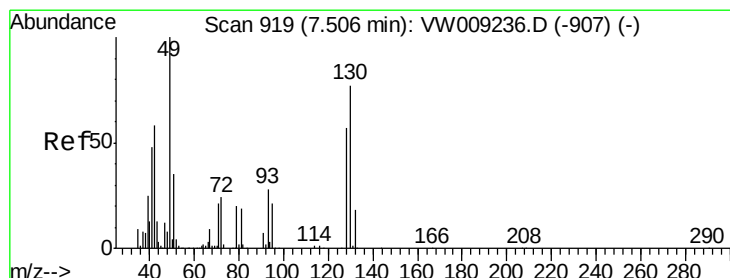
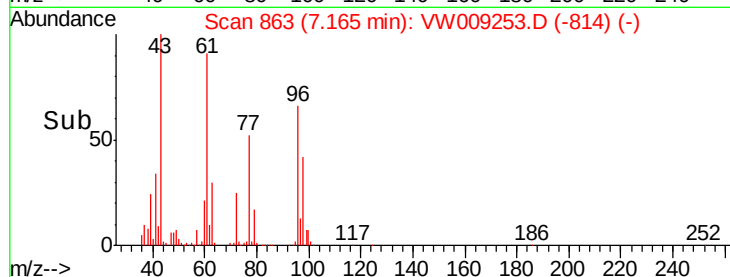
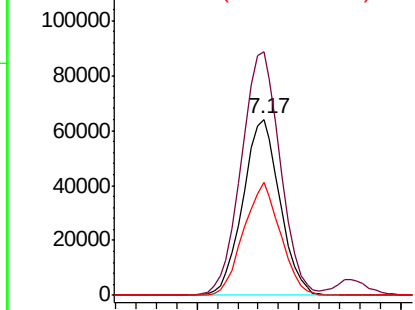
cis-1,2-Dichloroethene
Concen: 50.929 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 162093
Ion Ratio Lower Upper
96 100
61 145.3 0.0 289.8
98 63.7 0.0 130.8



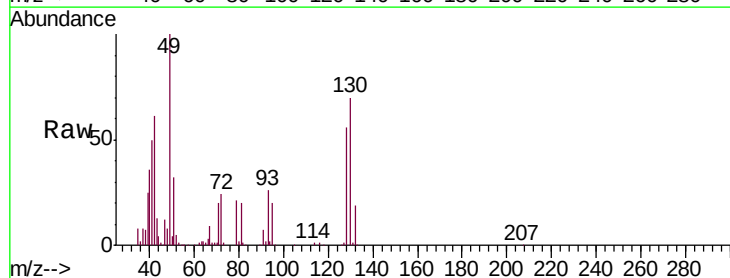
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



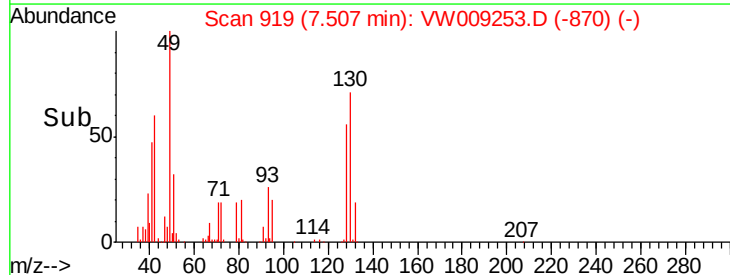
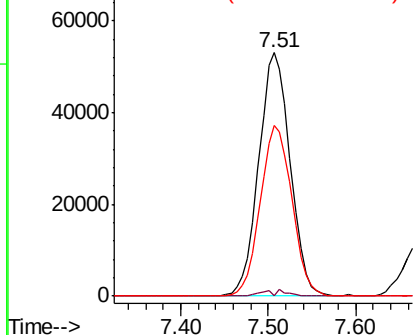
#28

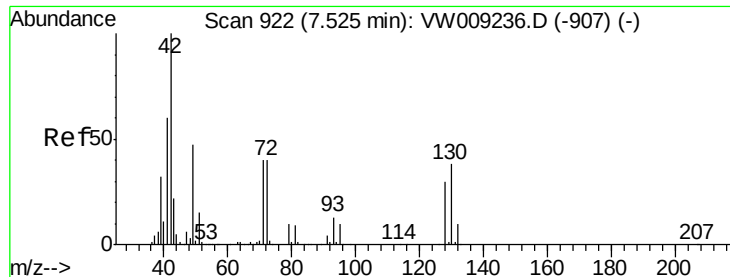
Bromochloromethane
Concen: 53.850 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 49 Resp: 132290
Ion Ratio Lower Upper
49 100
129 1.0 0.0 1.4
130 70.5 58.6 88.0



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

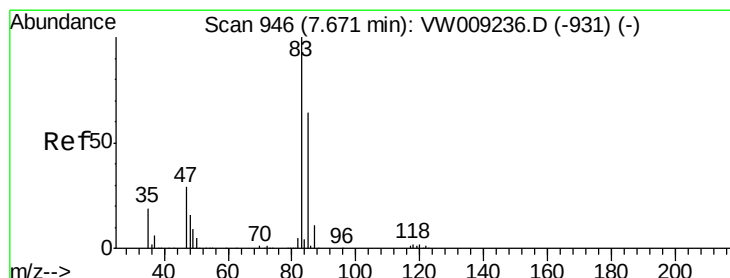
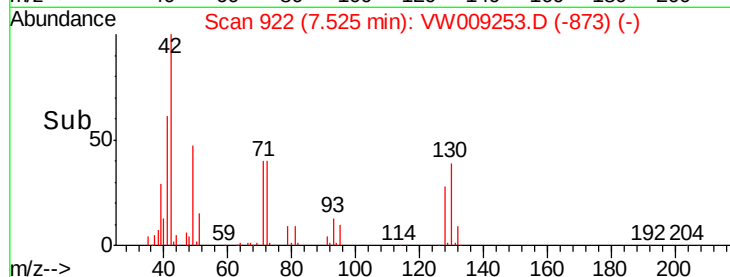
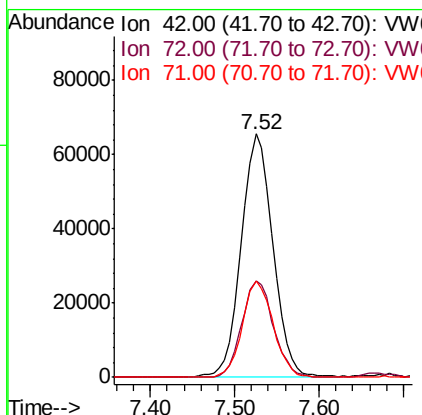
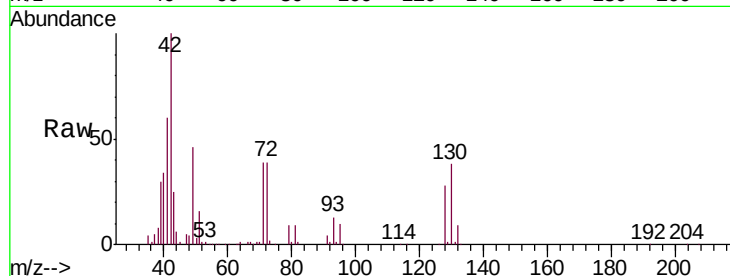




#29
Tetrahydrofuran
Concen: 279.344 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

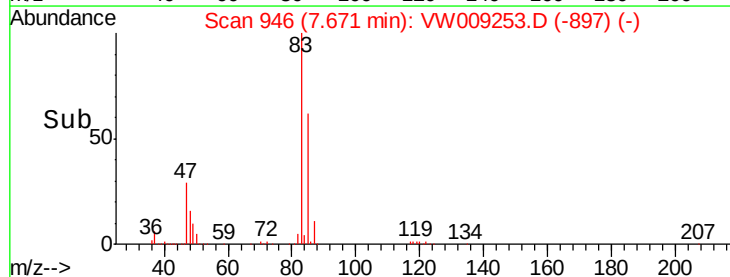
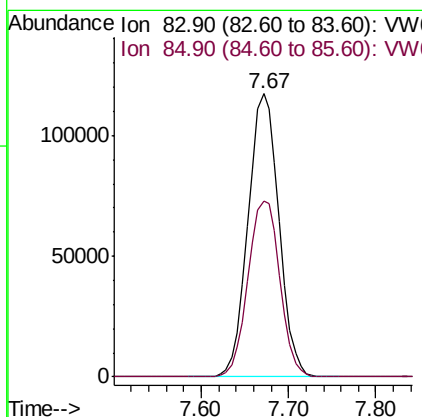
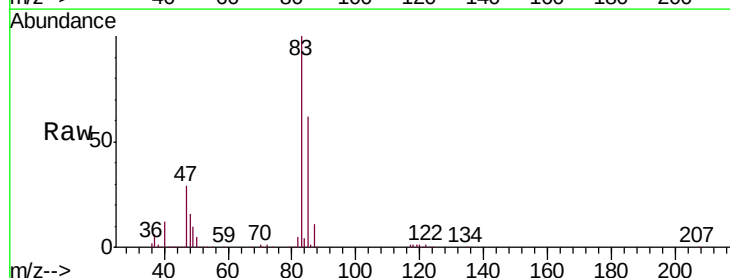
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

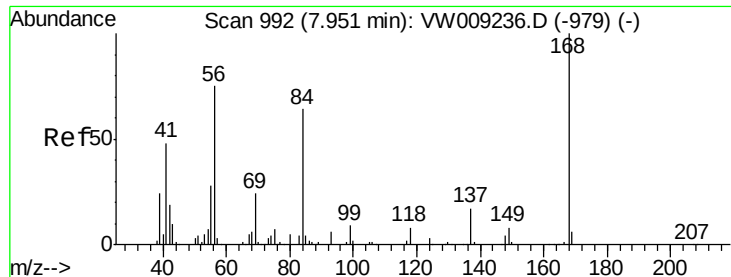
Tgt Ion: 42 Resp: 166122
Ion Ratio Lower Upper
42 100
72 39.6 32.4 48.6
71 38.4 30.1 45.1



#30
Chloroform
Concen: 49.251 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 83 Resp: 287010
Ion Ratio Lower Upper
83 100
85 62.2 51.0 76.6

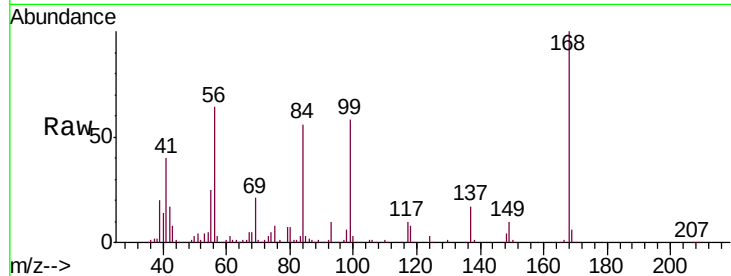




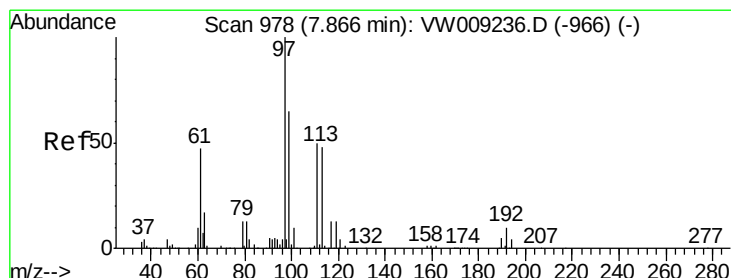
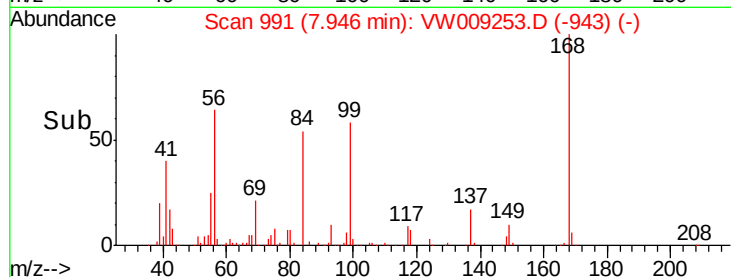
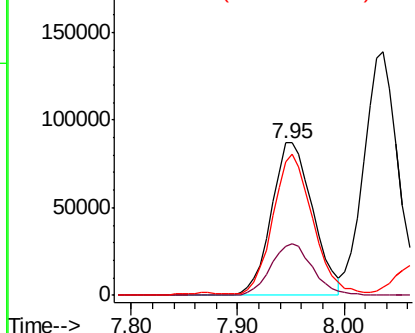
#31
Cyclohexane
Concen: 44.774 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 233794
Ion Ratio Lower Upper
56 100
69 32.2 26.1 39.1
84 86.0 68.6 103.0

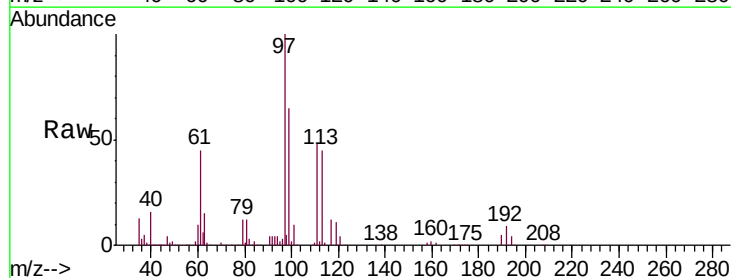


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

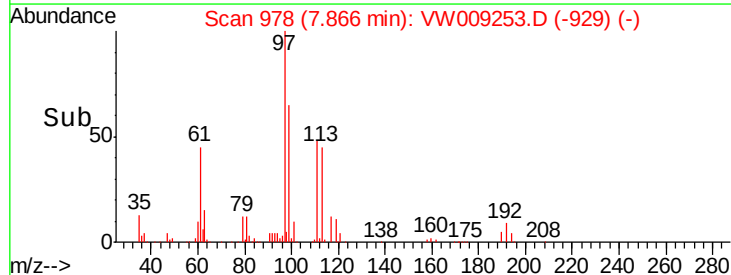
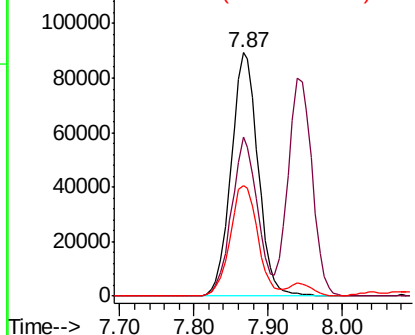


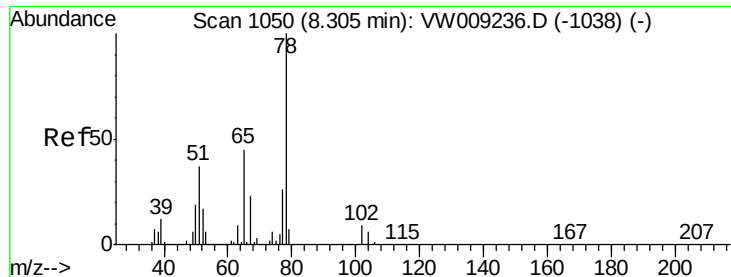
#32
1,1,1-Trichloroethane
Concen: 48.601 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 97 Resp: 226074
Ion Ratio Lower Upper
97 100
99 63.5 51.9 77.9
61 47.2 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

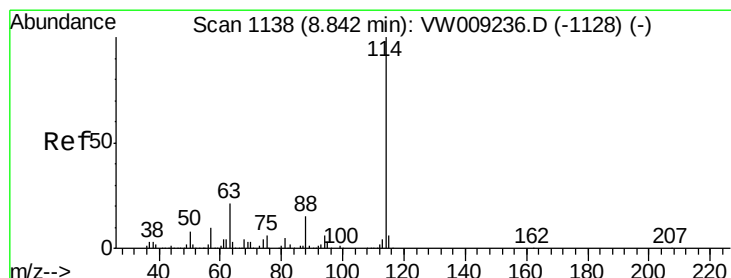
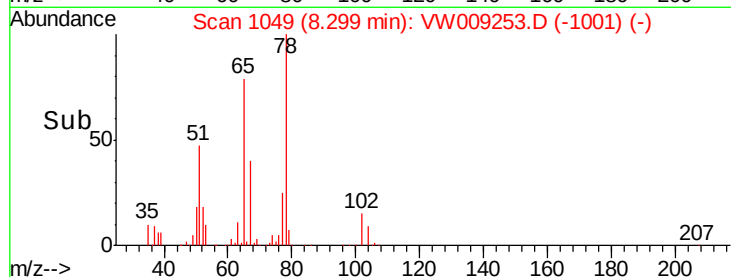
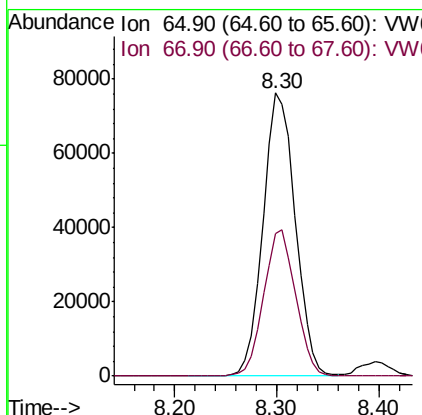
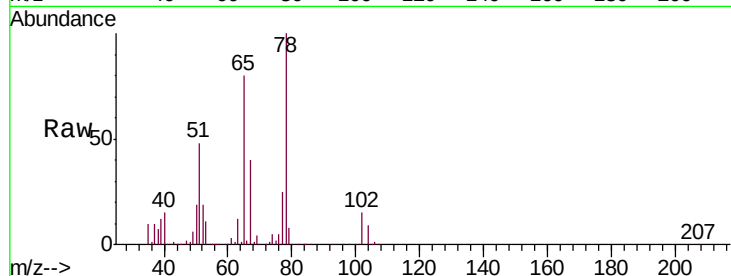




#33
 1,2-Dichloroethane-d4
 Concen: 52.613 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

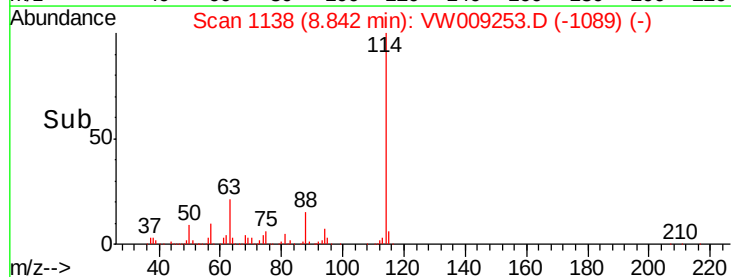
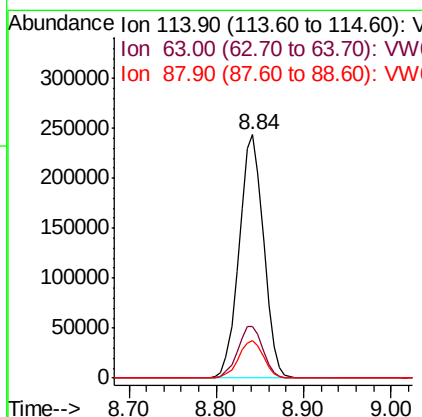
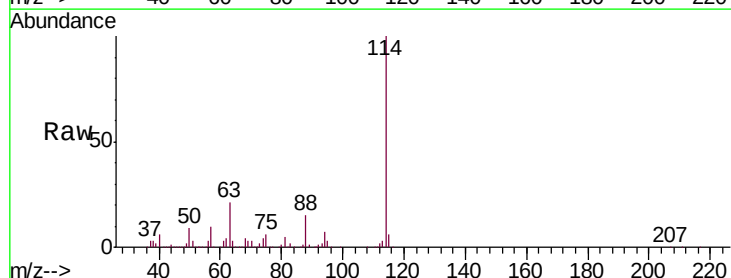
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

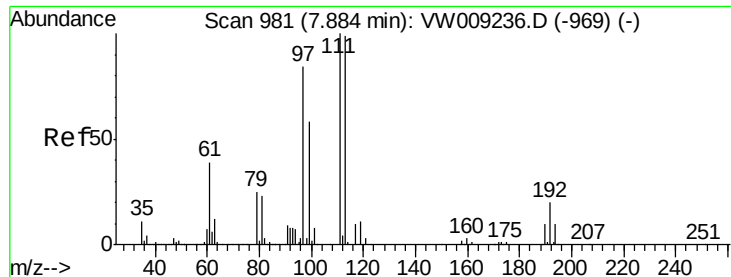
Tgt Ion: 65 Resp: 167444
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion: 114 Resp: 473022
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.2
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 47.788 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

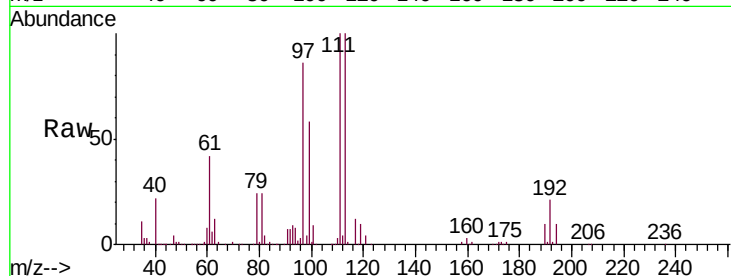
Tgt Ion:113 Resp: 143393

Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

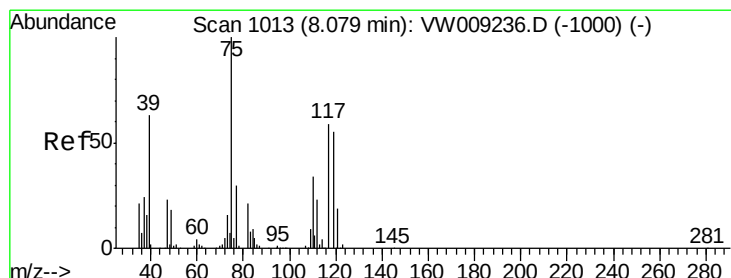
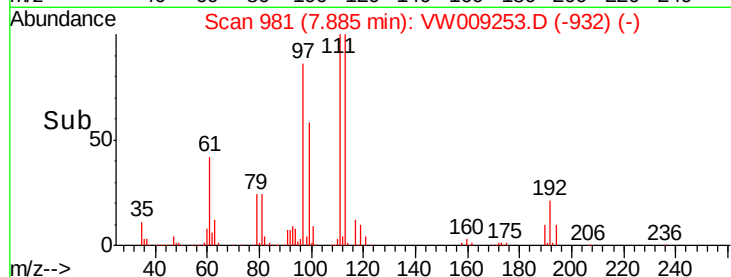
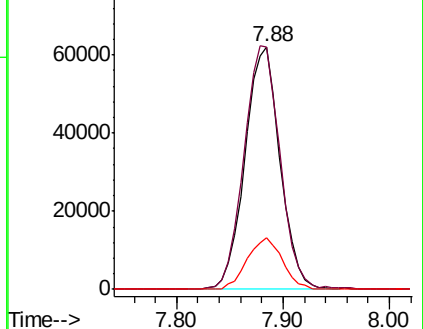
192 21.4 16.4 24.6



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: 45.213 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

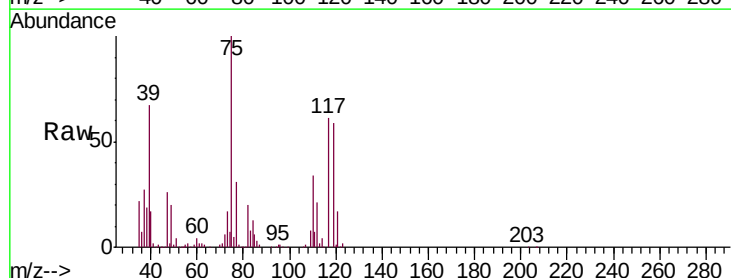
Tgt Ion: 75 Resp: 212819

Ion Ratio Lower Upper

75 100

110 33.9 16.8 50.4

77 30.2 24.6 36.8



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

