

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014611.D
 Acq On : 10 Jan 2020 20:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 11 04:02:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	696300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1031106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	909257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	435454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	308711	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	7.88	113	302437	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	10.32	98	1253222	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	440219	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	189459	48.191	ug/l	98
3) Chloromethane	2.21	50	222372	46.210	ug/l	99
4) Vinyl Chloride	2.36	62	366295	51.752	ug/l	96
5) Bromomethane	2.78	94	227405	52.010	ug/l	97
6) Chloroethane	2.92	64	215104	53.313	ug/l	99
7) Trichlorofluoromethane	3.25	101	167000	47.158	ug/l	100
8) Diethyl Ether	3.68	74	193013	54.778	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	360907	54.544	ug/l	99
10) Methyl Iodide	4.27	142	518400	51.925	ug/l	100
11) Tert butyl alcohol	5.16	59	134768	290.858	ug/l	98
12) 1,1-Dichloroethene	4.04	96	372486	53.756	ug/l	95
13) Acrolein	3.89	56	185131	348.415	ug/l	100
14) Allyl chloride	4.66	41	558499	52.744	ug/l	100
15) Acrylonitrile	5.36	53	483008	299.896	ug/l	99
16) Acetone	4.12	43	502247	292.173	ug/l	99
17) Carbon Disulfide	4.38	76	1052669	50.404	ug/l	99
18) Methyl Acetate	4.66	43	239686	57.733	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	507904	59.049	ug/l	99
20) Methylene Chloride	4.92	84	374150	54.191	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	389560	52.947	ug/l	99
22) Diisopropyl ether	6.31	45	1084176	54.702	ug/l	99
23) Vinyl Acetate	6.25	43	3274347	273.584	ug/l	100
24) 1,1-Dichloroethane	6.21	63	665114	53.200	ug/l	99
25) 2-Butanone	7.16	43	656435	297.562	ug/l	99
26) 2,2-Dichloropropane	7.16	77	351770	50.821	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	412765	53.390	ug/l	100
28) Bromochloromethane	7.51	49	279025	56.927	ug/l	100
29) Tetrahydrofuran	7.52	42	400462	293.022	ug/l	98
30) Chloroform	7.67	83	624140	53.386	ug/l	99
31) Cyclohexane	7.95	56	664254	51.125	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	509265	54.162	ug/l	99
36) 1,1-Dichloropropene	8.08	75	535303	53.852	ug/l	100
37) Ethyl Acetate	7.24	43	265671	58.930	ug/l	99
38) Carbon Tetrachloride	8.07	117	468120	54.282	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	704911	55.259	ug/l	99
40) Benzene	8.32	78	1512466	53.777	ug/l	100
41) Methacrylonitrile	7.48	41	148514	59.097	ug/l	100
42) 1,2-Dichloroethane	8.40	62	400567	54.883	ug/l	99
43) Isopropyl Acetate	8.42	43	483484	59.059	ug/l	100
44) Trichloroethene	9.09	130	416461	54.723	ug/l	90
45) 1,2-Dichloropropane	9.37	63	375736	54.442	ug/l	97
46) Dibromomethane	9.46	93	188683	55.380	ug/l	99
47) Bromodichloromethane	9.64	83	466113	55.413	ug/l	98
48) Methyl methacrylate	9.43	41	238627	59.702	ug/l	99
49) 1,4-Dioxane	9.44	88	74525	1169.494	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1299108	305.581	ug/l	99
52) Toluene	10.38	92	962661	54.407	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	482737	55.428	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	580534	54.540	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	280759	56.423	ug/l	99
56) Ethyl methacrylate	10.64	69	395020	61.085	ug/l	99
57) 1,3-Dichloropropane	10.93	76	495750	56.687	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	617601	314.021	ug/l	99
59) 2-Hexanone	10.96	43	941111	321.253	ug/l	100
60) Dibromochloromethane	11.13	129	312705	55.697	ug/l	99
61) 1,2-Dibromoethane	11.23	107	270325	57.232	ug/l	99
64) Tetrachloroethene	10.86	164	412159	62.612	ug/l	97
65) Chlorobenzene	11.65	112	984667	52.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	337288	53.777	ug/l	99
67) Ethyl Benzene	11.73	91	1820187	54.220	ug/l	99
68) m/p-Xylenes	11.83	106	1383882	107.711	ug/l	99
69) o-Xylene	12.16	106	649011	54.686	ug/l	100
70) Styrene	12.18	104	1108580	55.225	ug/l	99
71) Bromoform	12.35	173	189368	55.354	ug/l #	99
73) Isopropylbenzene	12.46	105	1801624	56.386	ug/l	100
74) N-amyl acetate	12.27	43	440498	61.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	324510	56.269	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	419944	101.999	ug/l #	100
77) Bromobenzene	12.74	156	409245	55.147	ug/l	100
78) n-propylbenzene	12.80	91	2097311	55.822	ug/l	100
79) 2-Chlorotoluene	12.89	91	1171238	54.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1497982	55.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	108598	58.769	ug/l	98
82) 4-Chlorotoluene	12.99	91	1216689	54.772	ug/l	100
83) tert-Butylbenzene	13.21	119	1328122	56.544	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1471355	55.113	ug/l	99
85) sec-Butylbenzene	13.38	105	1859273	57.187	ug/l	100
86) p-Isopropyltoluene	13.49	119	1691079	57.065	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	794320	55.044	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	781615	54.863	ug/l	99
89) n-Butylbenzene	13.82	91	1589574	57.762	ug/l	99
90) Hexachloroethane	14.09	117	283570	54.776	ug/l	98
91) 1,2-Dichlorobenzene	13.86	146	708567	55.866	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	53393	58.464	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	507270	59.225	ug/l	99
94) Hexachlorobutadiene	15.23	225	325741	56.751	ug/l	97
95) Naphthalene	15.36	128	980085	67.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	444412	59.526	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

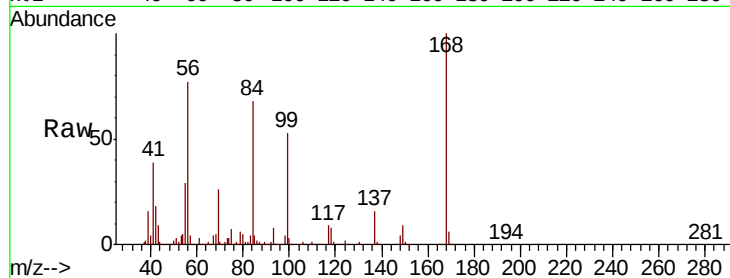
VSTDCCC050EC

Tot Ion:168 Resp: 696300

Ion Ratio Lower Upper

168 100

99 52.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

200000

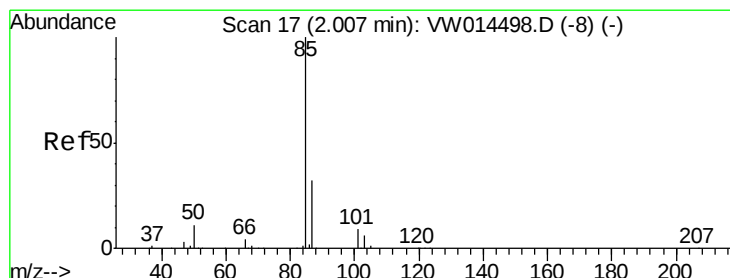
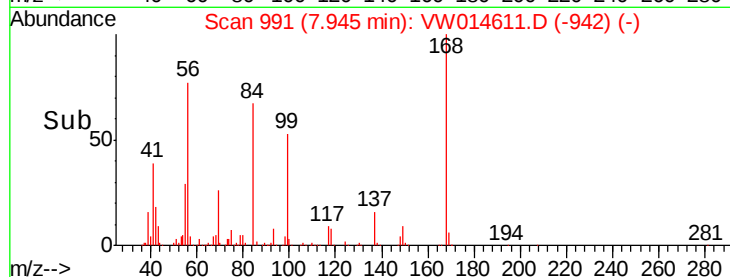
100000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.191 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014611.D

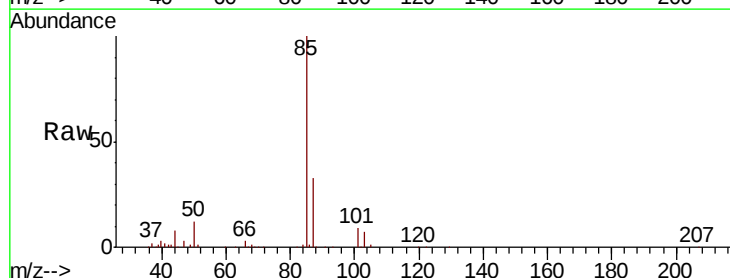
Acq: 10 Jan 2020 20:21

Tgt Ion: 85 Resp: 189459

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

40000

20000

0

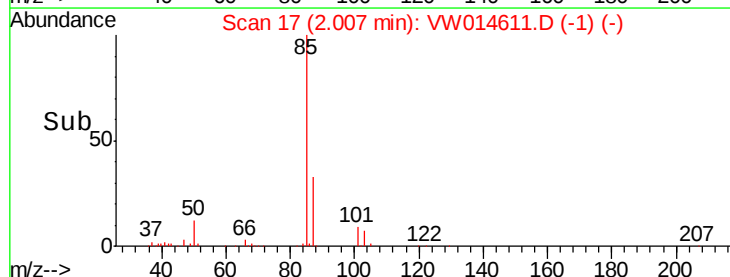
1.90

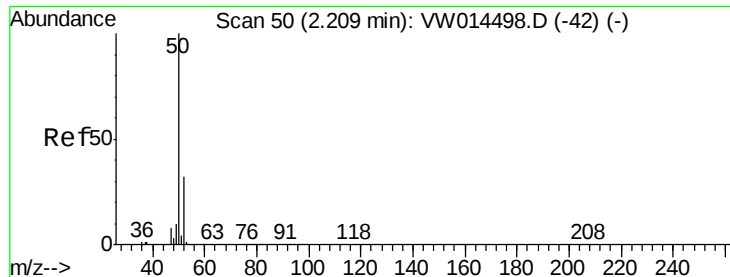
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 46.210 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

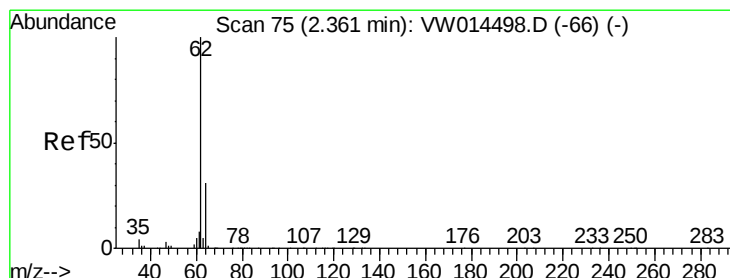
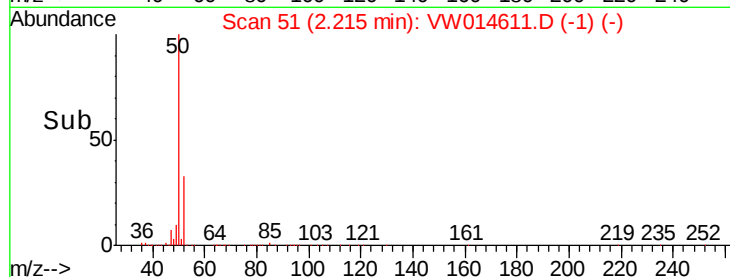
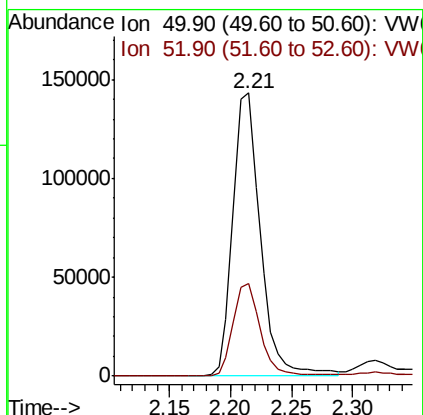
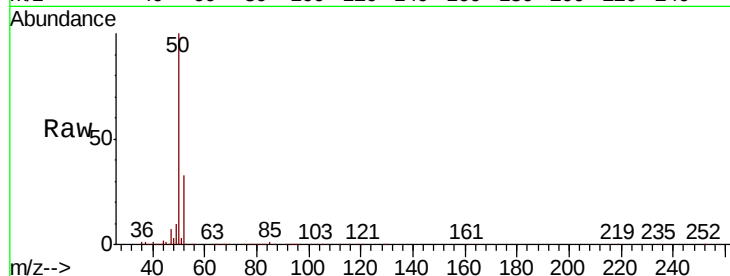
VSTDCCC050EC

Tot Ion: 50 Resp: 222372

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



#4

Vinyl Chloride

Concen: 51.752 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014611.D

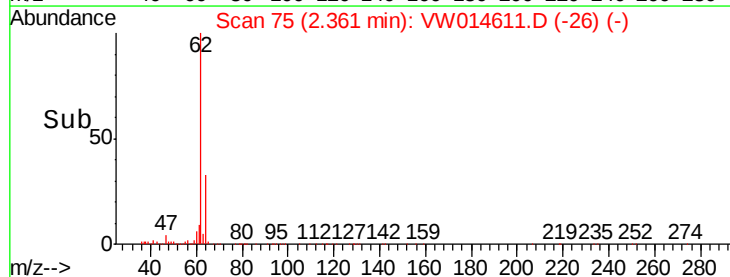
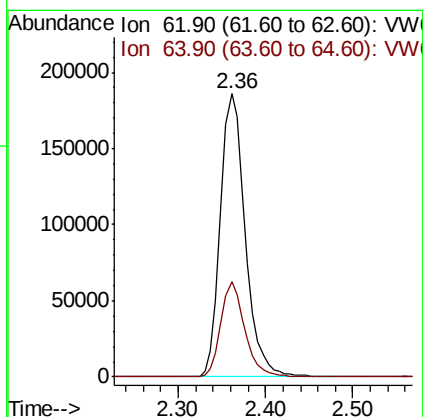
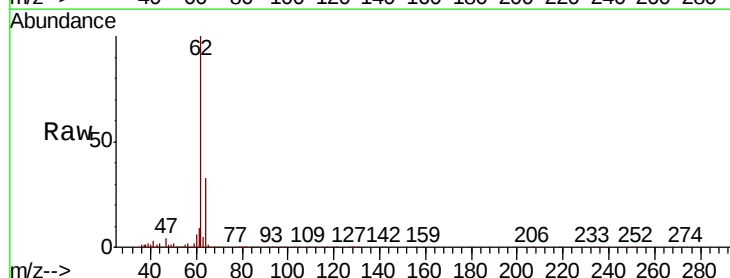
Acq: 10 Jan 2020 20:21

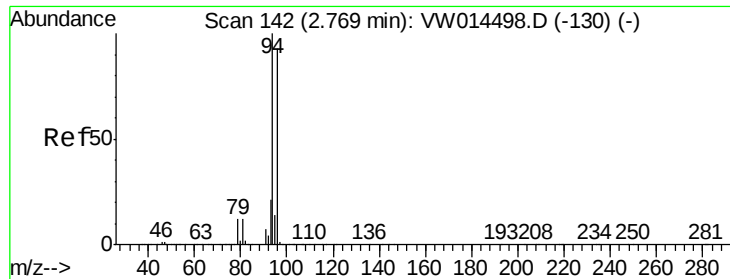
Tgt Ion: 62 Resp: 366295

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.4





#5

Bromomethane

Concen: 52.010 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

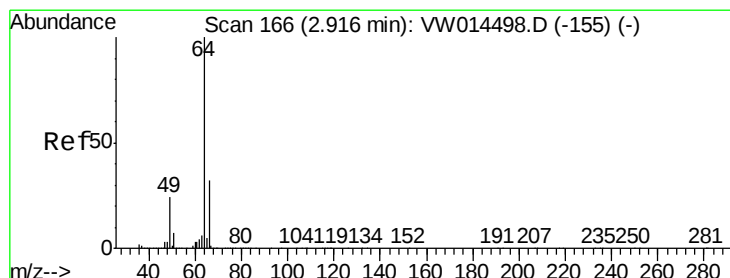
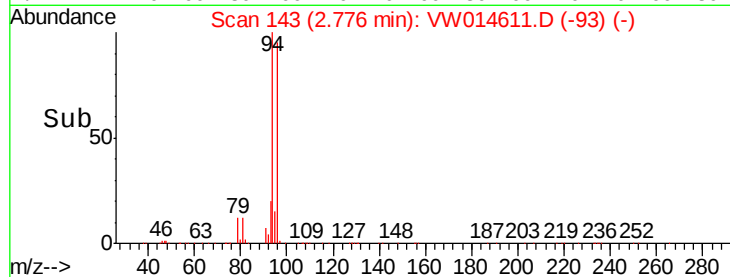
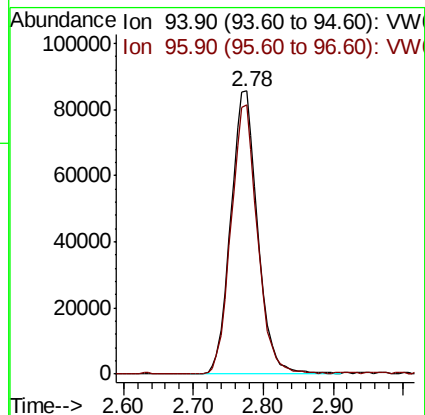
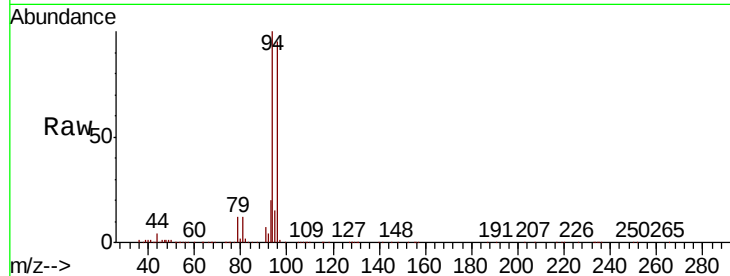
VSTDCCC050EC

Tot Ion: 94 Resp: 227405

Ion Ratio Lower Upper

94 100

96 95.2 74.2 111.2



#6

Chloroethane

Concen: 53.313 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014611.D

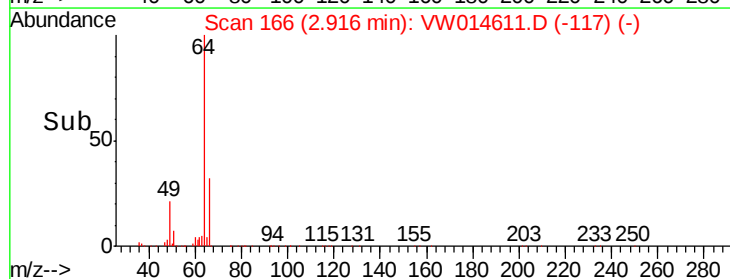
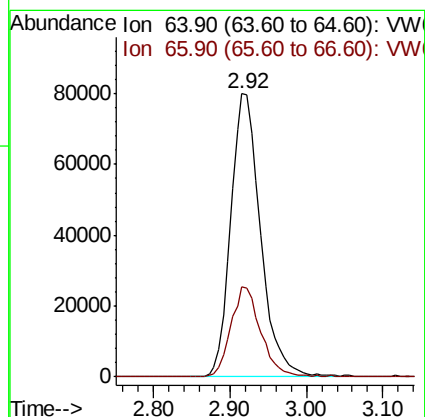
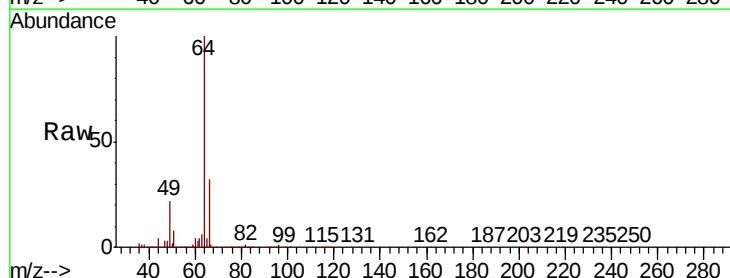
Acq: 10 Jan 2020 20:21

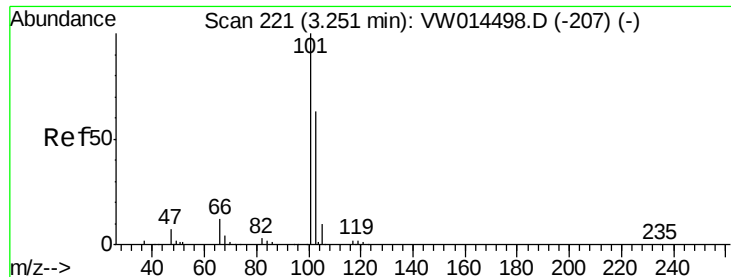
Tgt Ion: 64 Resp: 215104

Ion Ratio Lower Upper

64 100

66 31.6 25.7 38.5



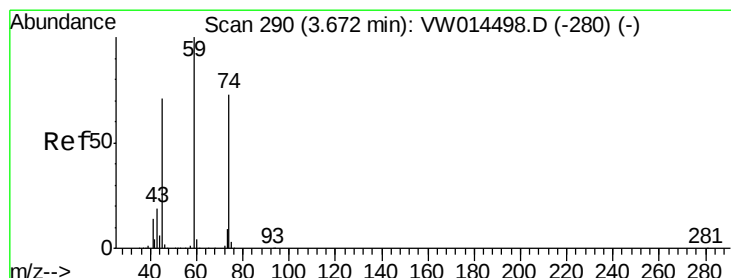
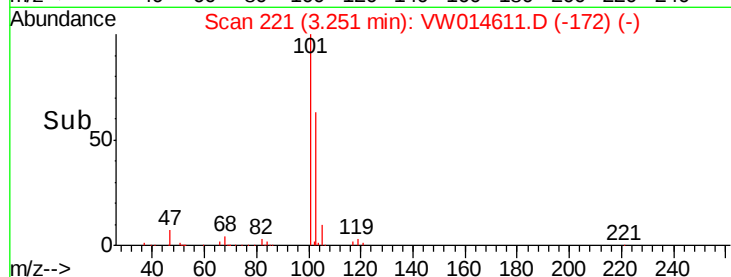
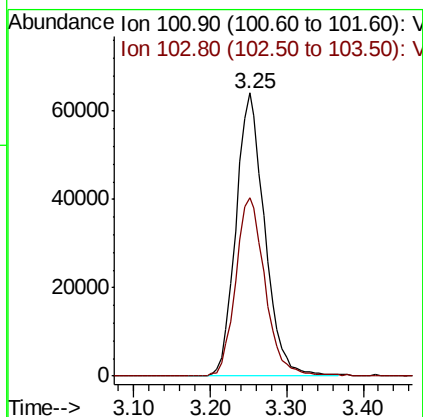
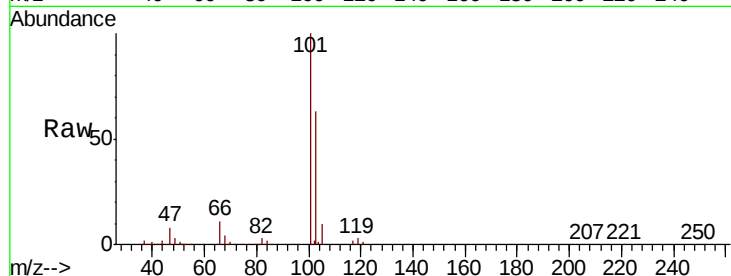


#7

Trichlorofluoromethane
Concen: 47.158 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014611.D
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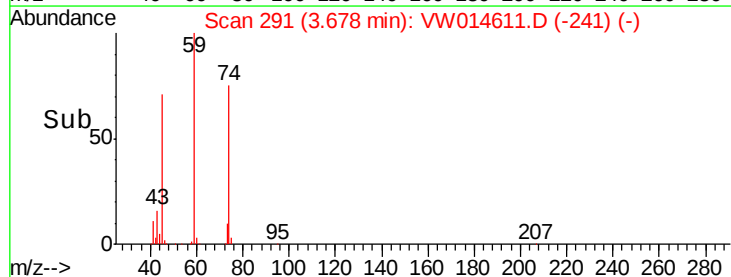
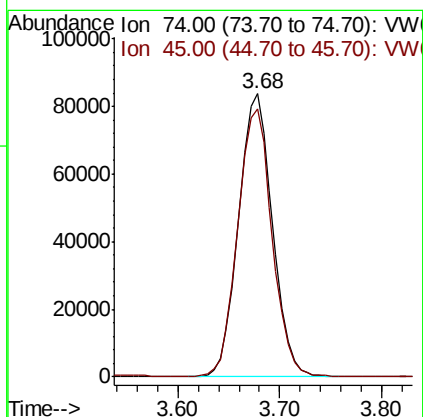
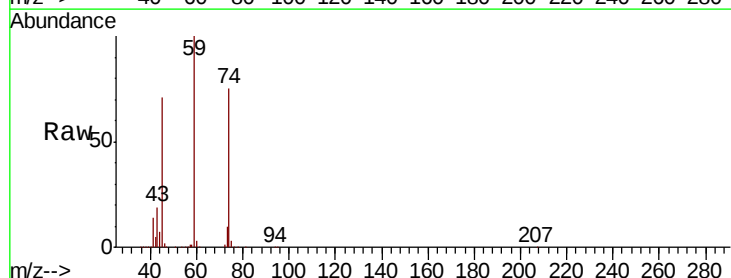
Tot Ion:101 Resp: 167000
Ion Ratio Lower Upper
101 100
103 62.9 50.1 75.1



#8

Diethyl Ether
Concen: 54.778 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 74 Resp: 193013
Ion Ratio Lower Upper
74 100
45 95.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.544 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

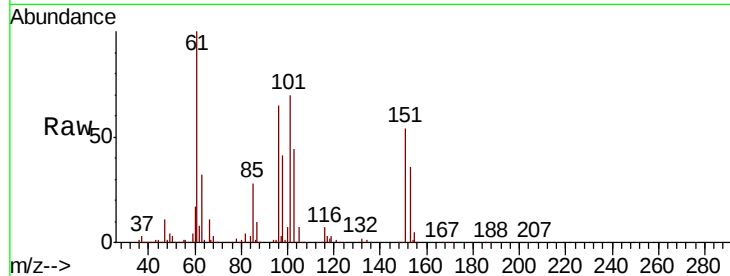
Tot Ion:101 Resp: 360907

Ion Ratio Lower Upper

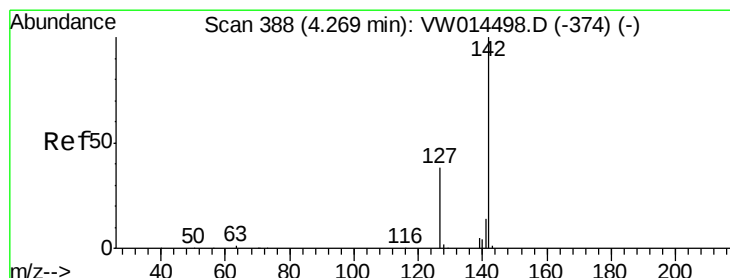
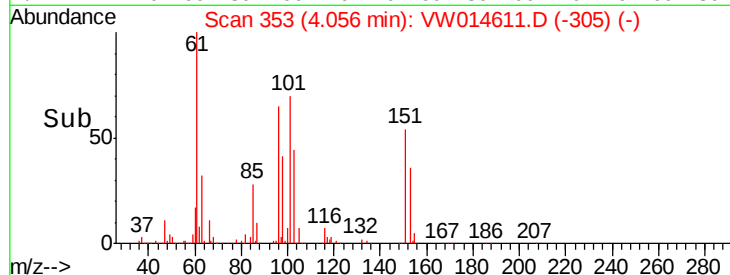
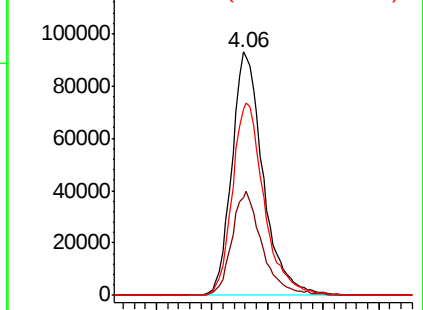
101 100

85 41.1 33.7 50.5

151 80.2 63.5 95.3



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: 51.925 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

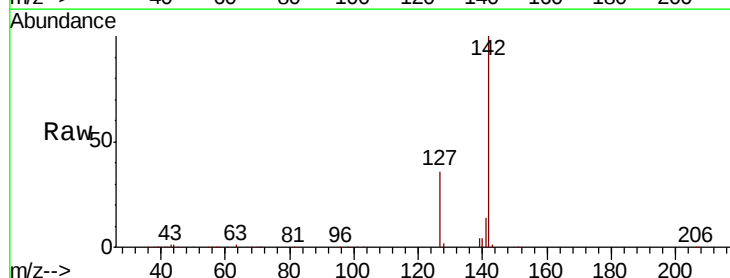
Tgt Ion:142 Resp: 518400

Ion Ratio Lower Upper

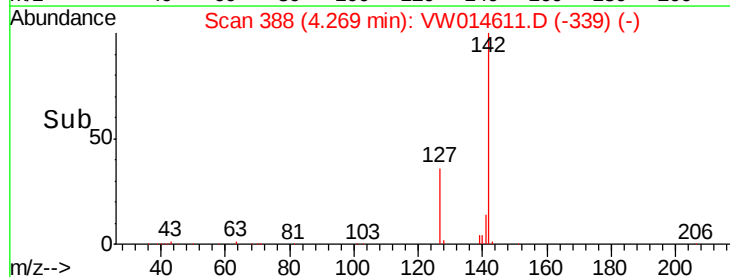
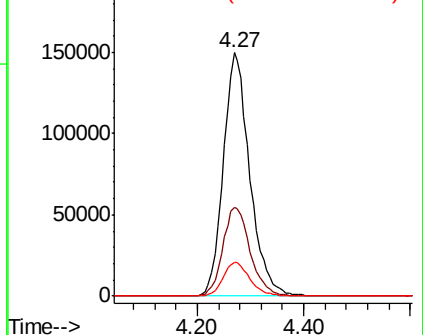
142 100

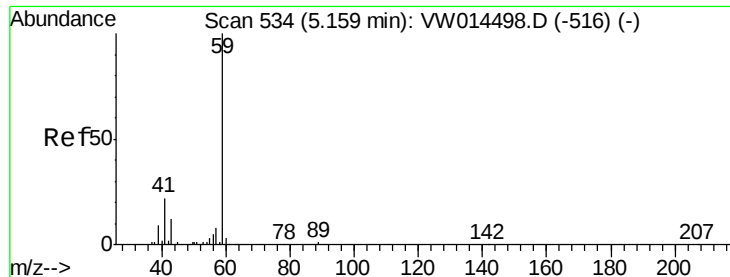
127 37.9 30.2 45.4

141 14.3 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



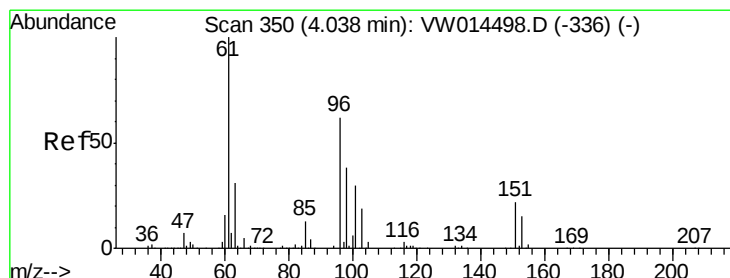
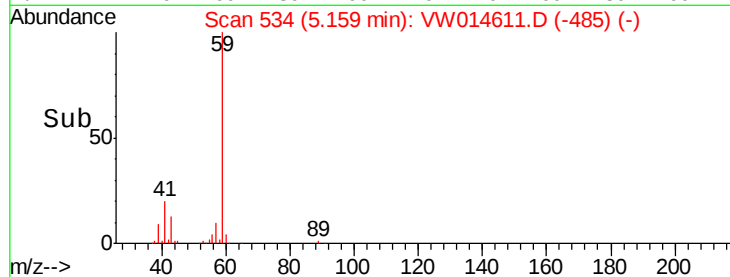
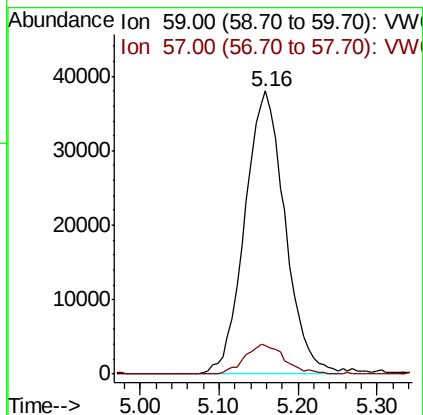
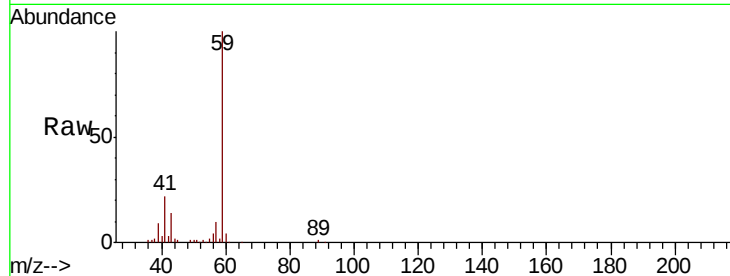


#11

Tert butyl alcohol
 Concen: 290.858 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

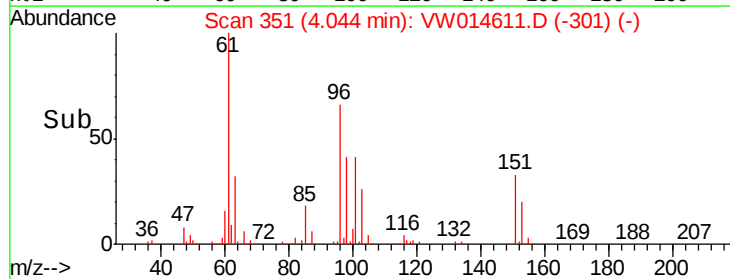
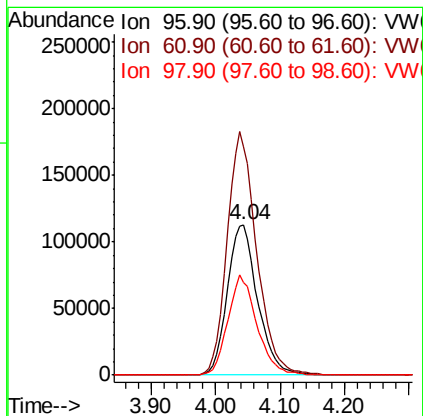
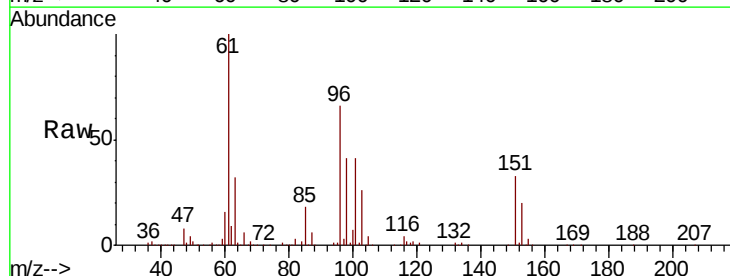
Tot Ion: 59 Resp: 134768
 Ion Ratio Lower Upper
 59 100
 57 10.5 7.8 11.8

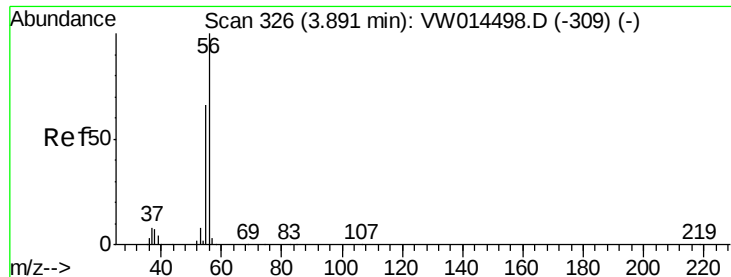


#12

1,1-Dichloroethene
 Concen: 53.756 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion: 96 Resp: 372486
 Ion Ratio Lower Upper
 96 100
 61 151.7 128.4 192.6
 98 61.6 49.1 73.7

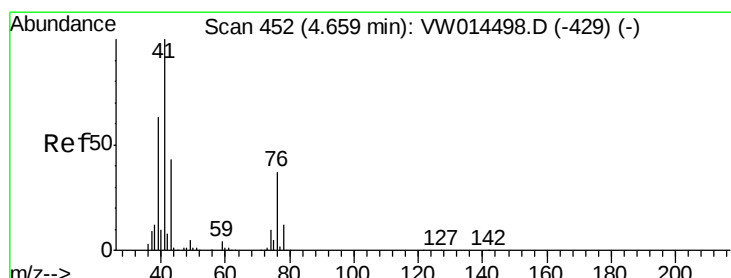
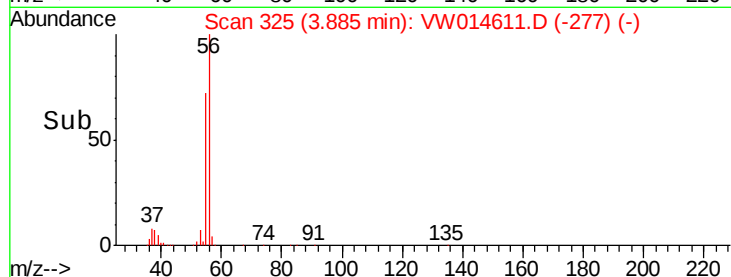
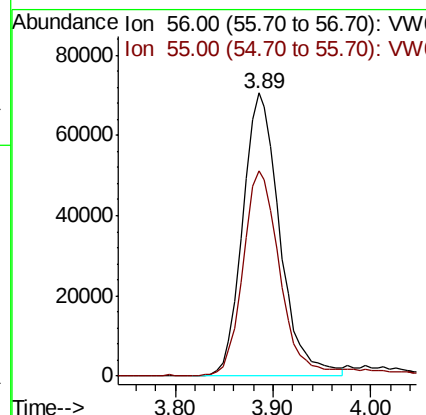
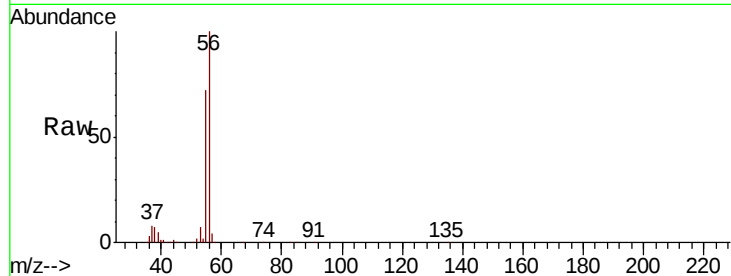




#13
Acrolein
Concen: 348.415 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

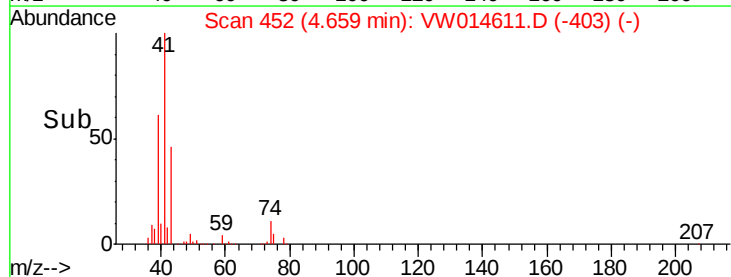
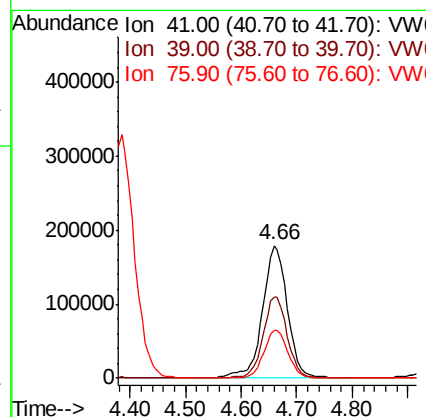
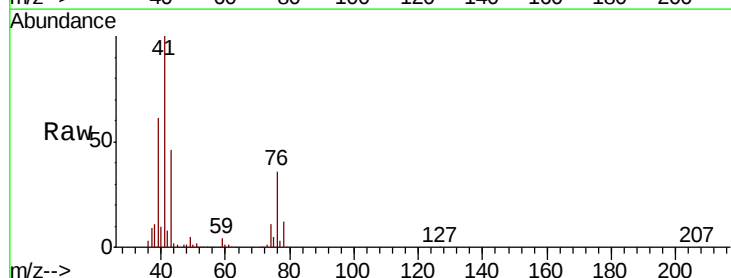
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

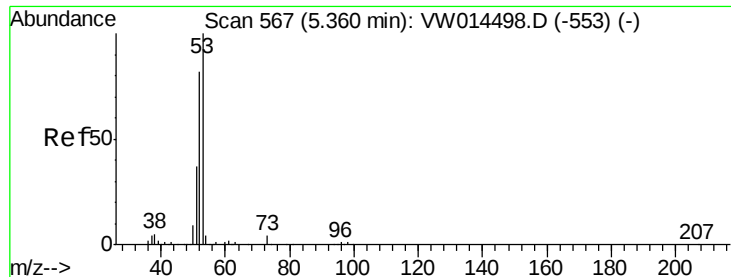
Tot Ion: 56 Resp: 185131
Ion Ratio Lower Upper
56 100
55 71.1 56.7 85.1



#14
Allyl chloride
Concen: 52.744 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 41 Resp: 558499
Ion Ratio Lower Upper
41 100
39 60.1 48.5 72.7
76 35.0 28.1 42.1





#15

Acrylonitrile

Concen: 299.896 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

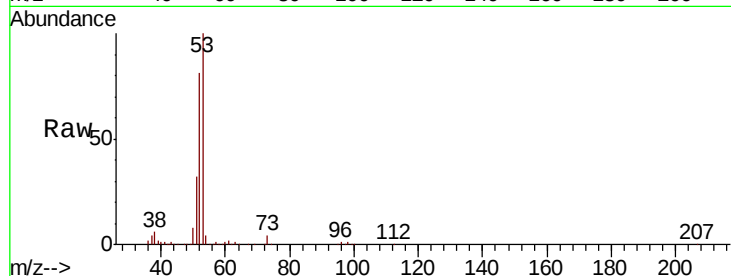
Tot Ion: 53 Resp: 483008

Ion Ratio Lower Upper

53 100

52 82.4 66.5 99.7

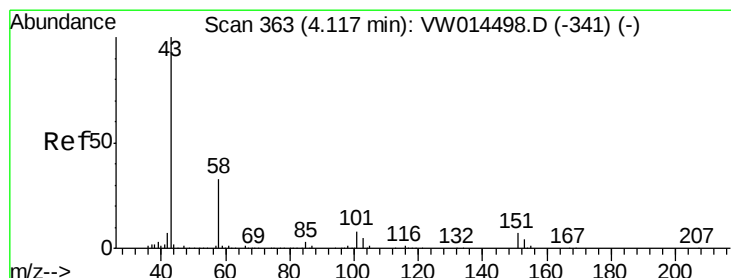
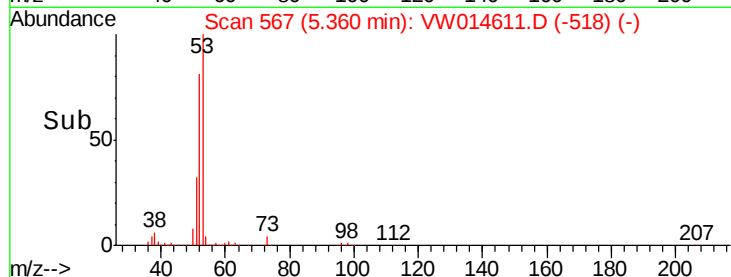
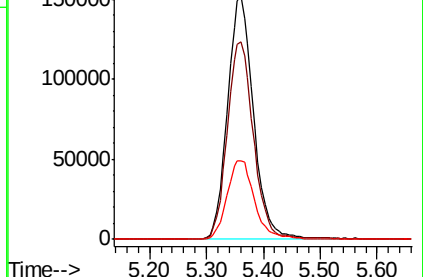
51 34.4 28.4 42.6



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: 292.173 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014611.D

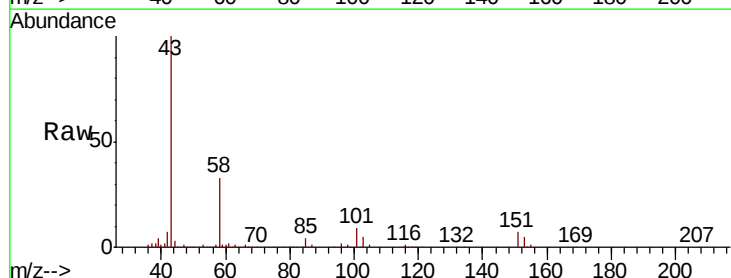
Acq: 10 Jan 2020 20:21

Tgt Ion: 43 Resp: 502247

Ion Ratio Lower Upper

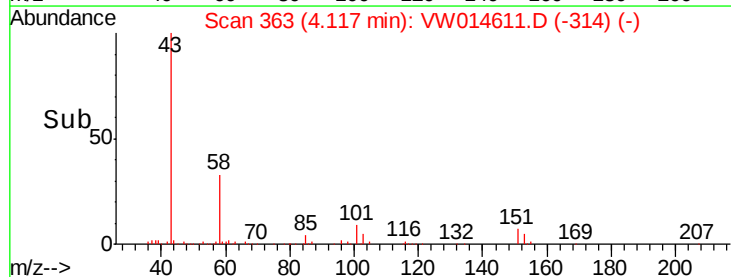
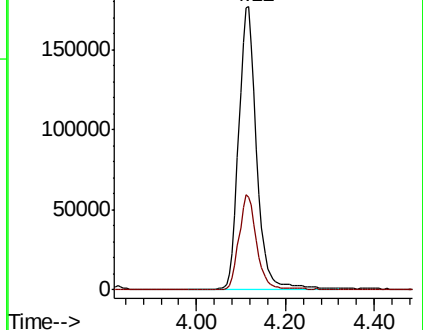
43 100

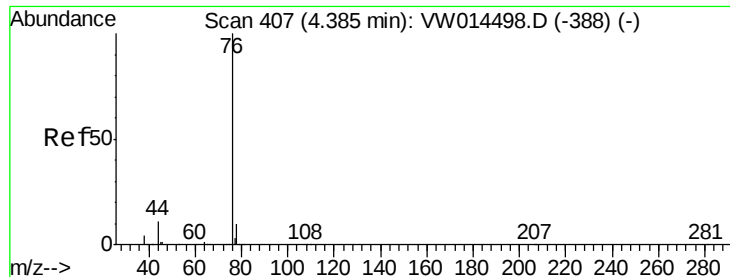
58 32.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 50.404 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

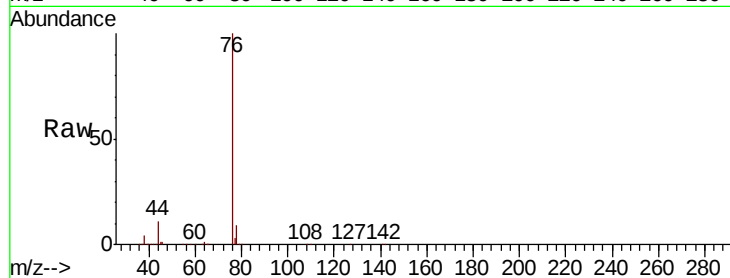
VSTDCCC050EC

Tot Ion: 76 Resp: 1052669

Ion Ratio Lower Upper

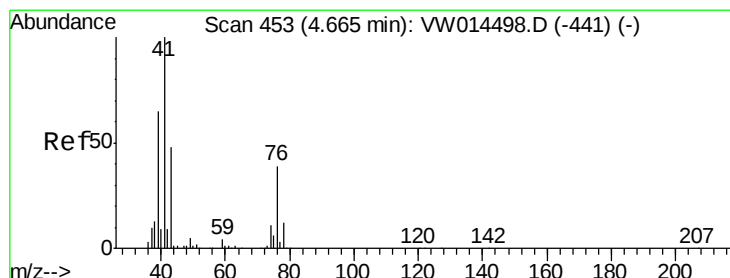
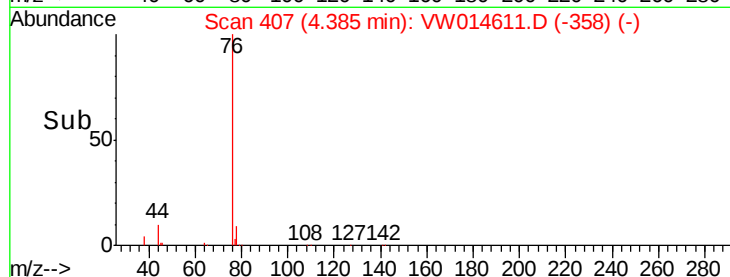
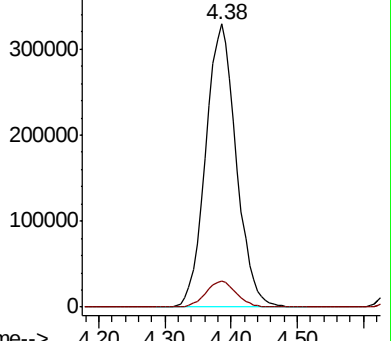
76 100

78 9.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 57.733 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014611.D

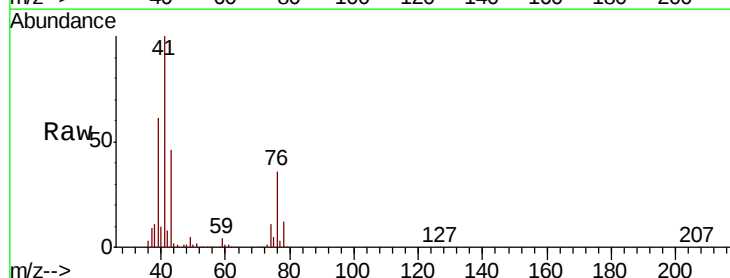
Acq: 10 Jan 2020 20:21

Tgt Ion: 43 Resp: 239686

Ion Ratio Lower Upper

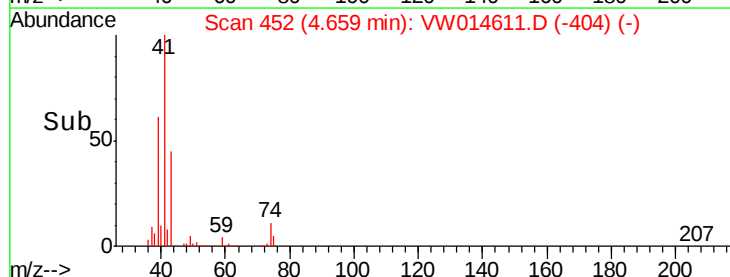
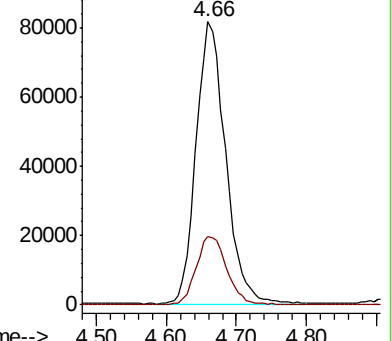
43 100

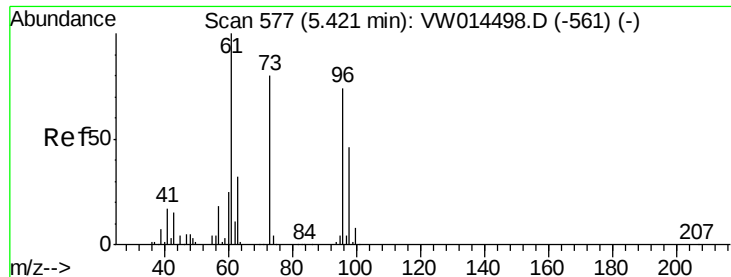
74 25.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

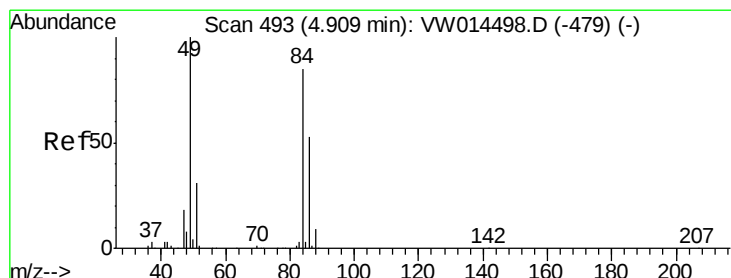
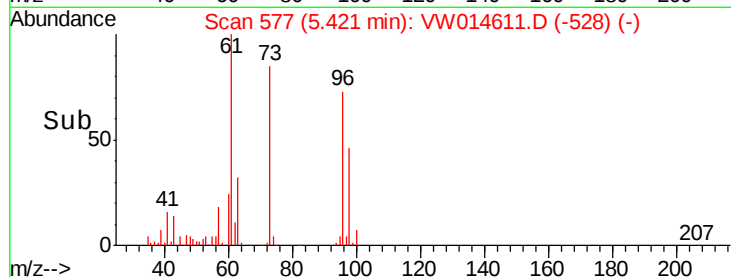
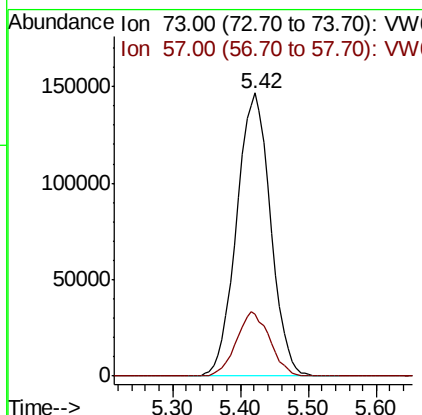
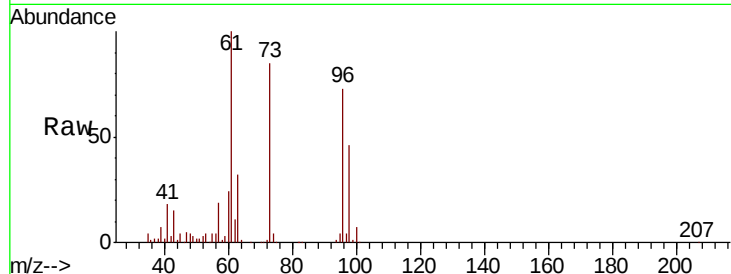




#19
Methyl tert-butyl Ether
Concen: 59.049 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

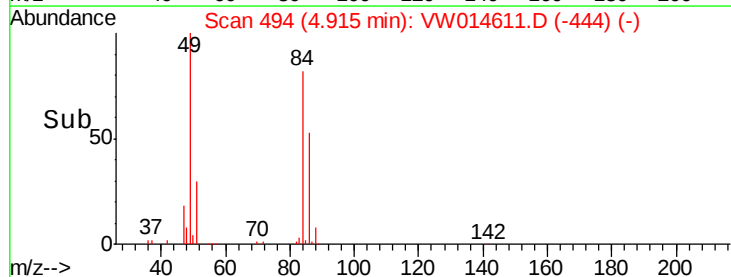
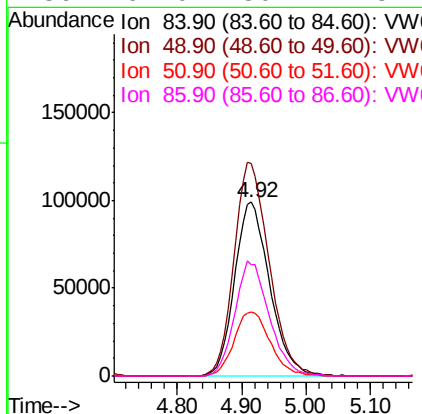
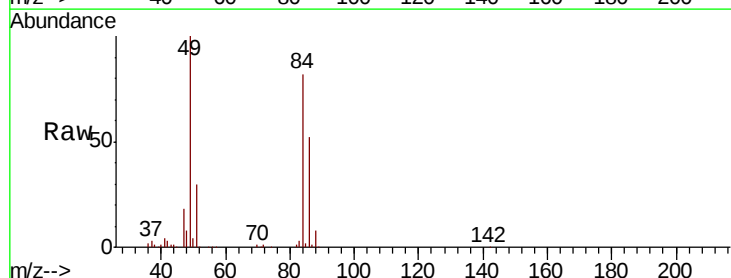
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

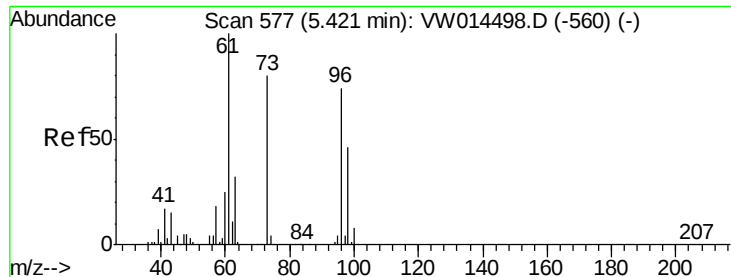
Tot Ion: 73 Resp: 507904
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 54.191 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 84 Resp: 374150
Ion Ratio Lower Upper
84 100
49 122.1 94.4 141.6
51 36.9 29.5 44.3
86 64.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 52.947 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

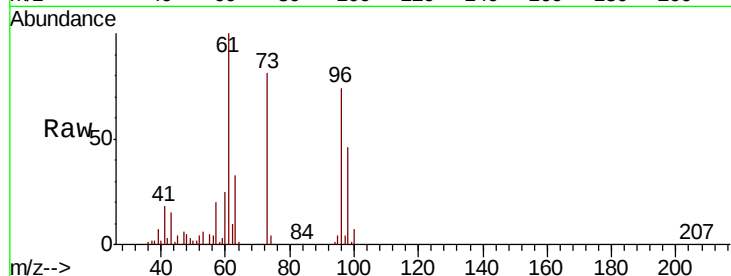
Tot Ion: 96 Resp: 389560

Ion Ratio Lower Upper

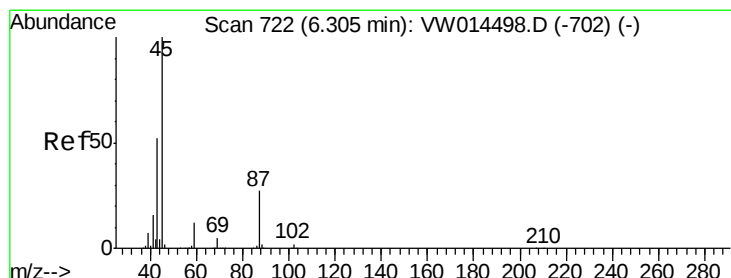
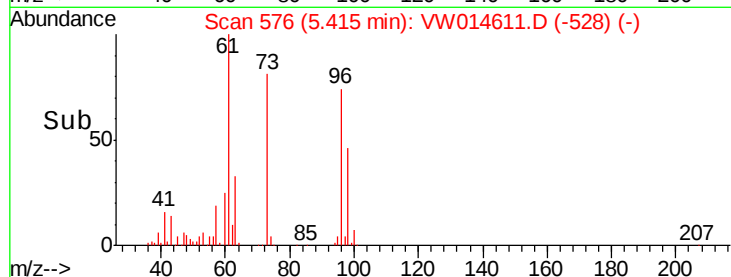
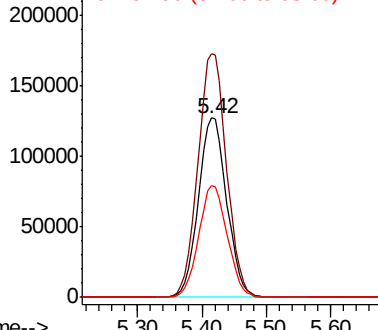
96 100

61 135.6 107.8 161.6

98 62.4 49.4 74.0



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: 54.702 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion: 45 Resp: 1084176

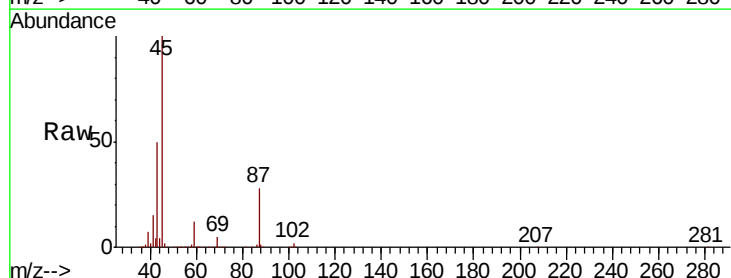
Ion Ratio Lower Upper

45 100

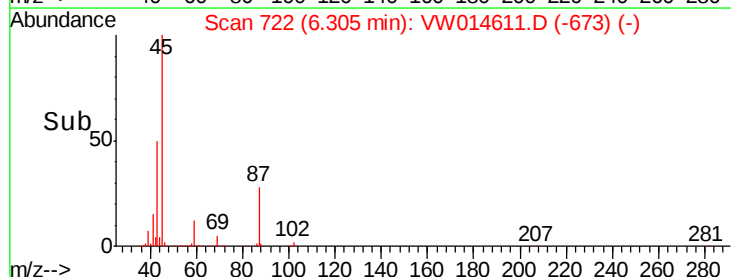
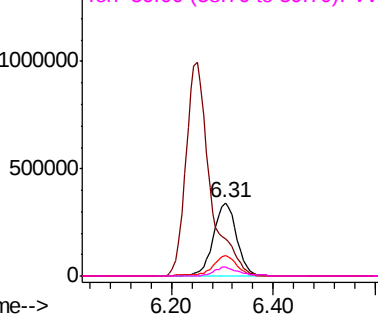
43 50.4 41.4 62.0

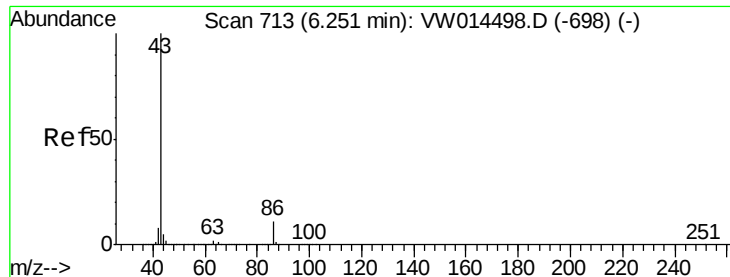
87 27.6 22.2 33.2

59 11.6 9.5 14.3



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: 273.584 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

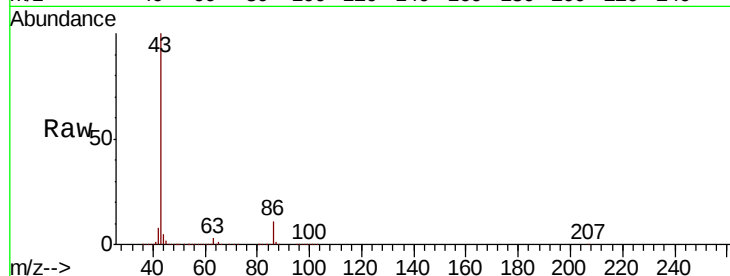
MSVOA_W

ClientSampleId :

VSTDCCC050EC

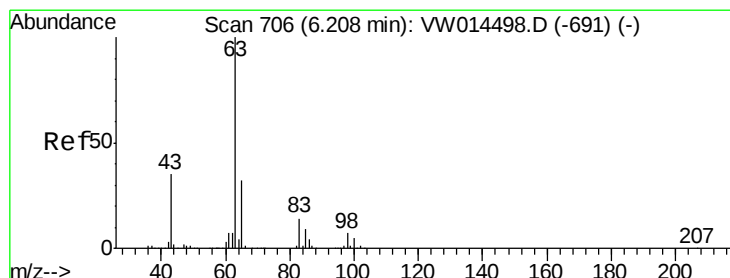
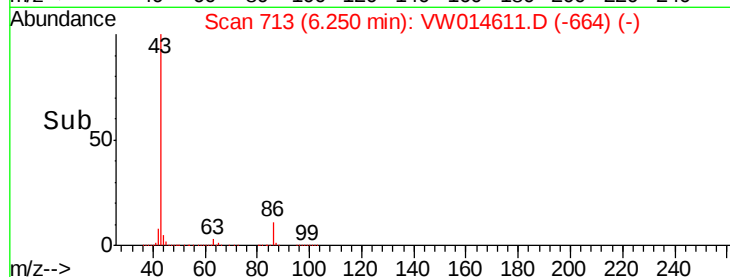
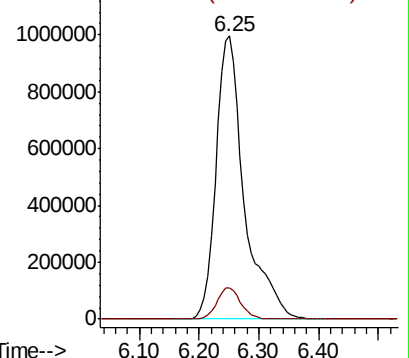
Tot Ion: 43 Resp: 3274347

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.8	13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.200 ug/l

RT: 6.21 min Scan# 706

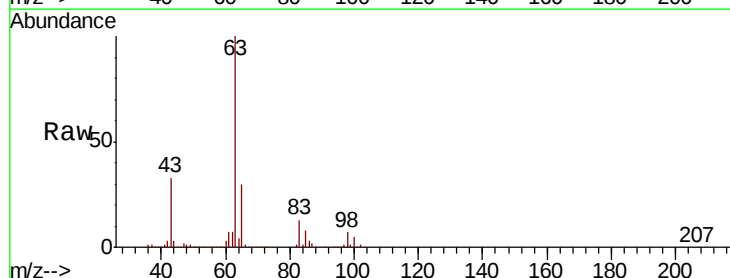
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion: 63 Resp: 665114

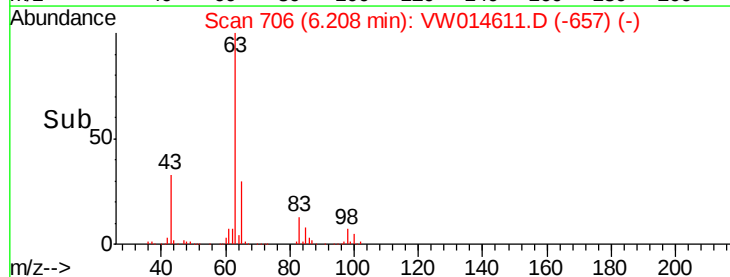
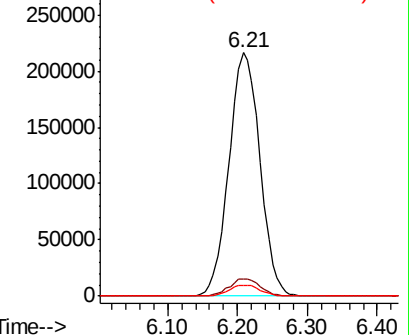
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	4.6	2.5	7.4



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

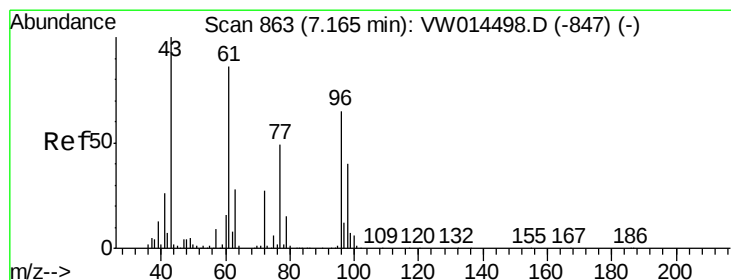
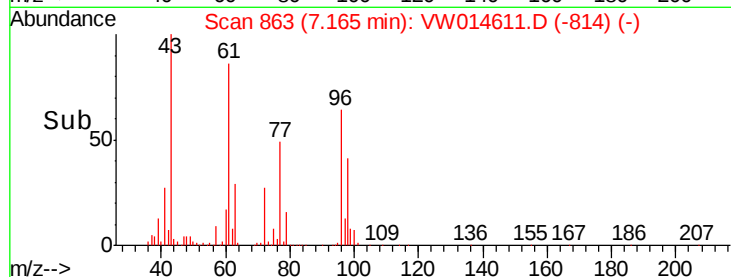
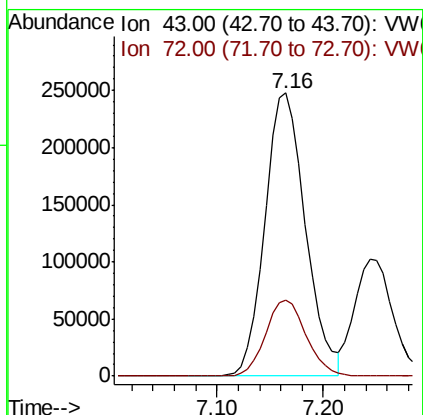
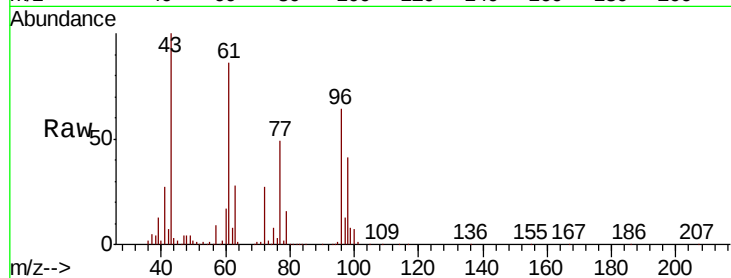




#25
2-Butanone
Concen: 297.562 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

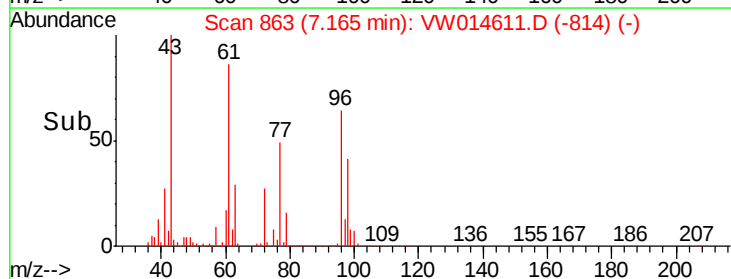
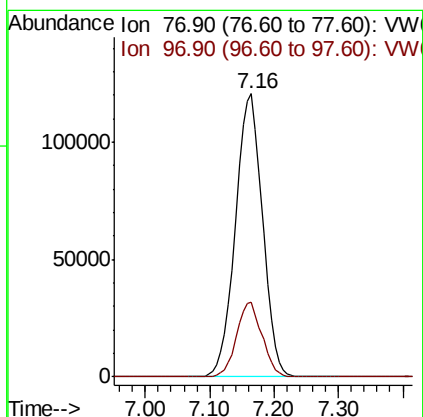
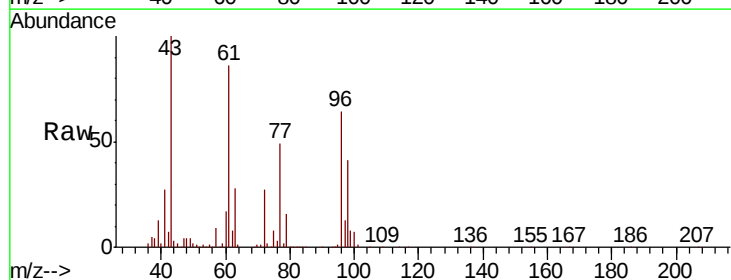
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

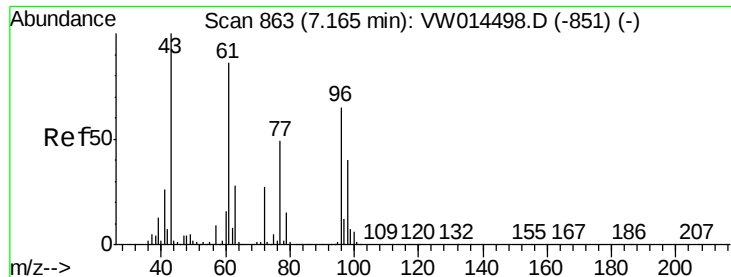
Tot Ion: 43 Resp: 656435
Ion Ratio Lower Upper
43 100
72 27.0 21.9 32.9



#26
2,2-Dichloropropane
Concen: 50.821 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 77 Resp: 351770
Ion Ratio Lower Upper
77 100
97 24.8 12.5 37.5



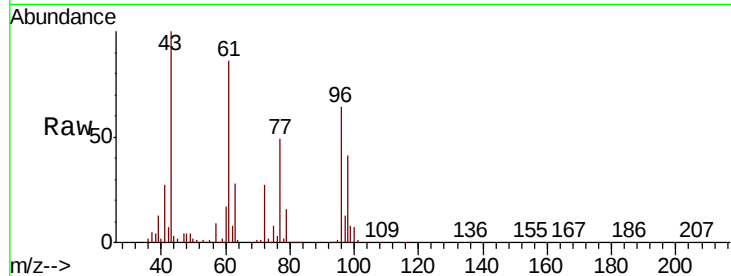


#27

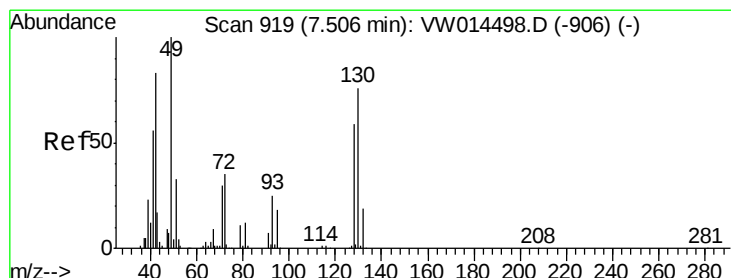
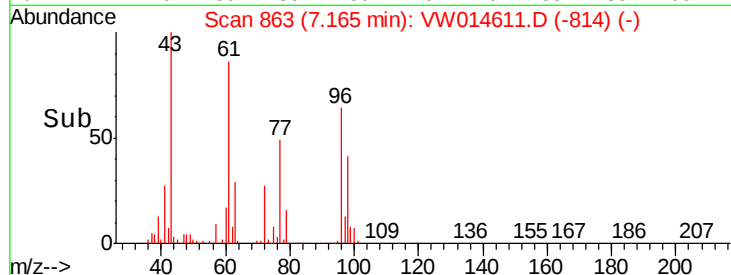
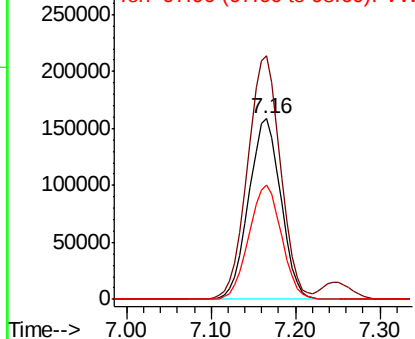
cis-1,2-Dichloroethene
 Concen: 53.390 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	274.8
98	64.2	0.0	128.6



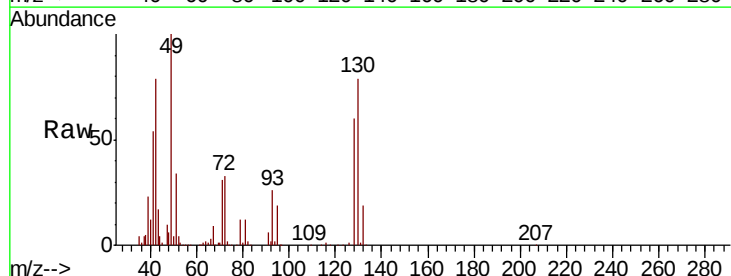
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



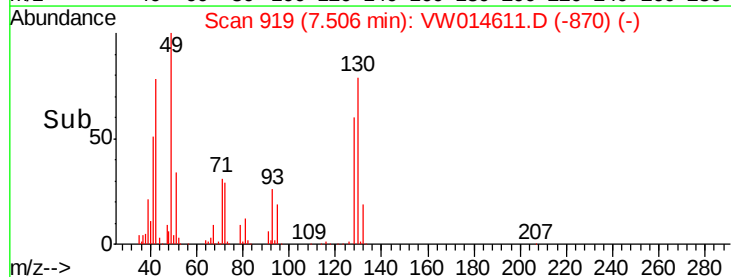
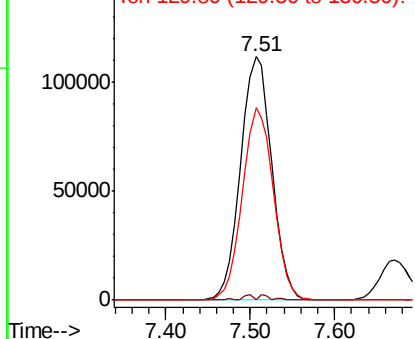
#28

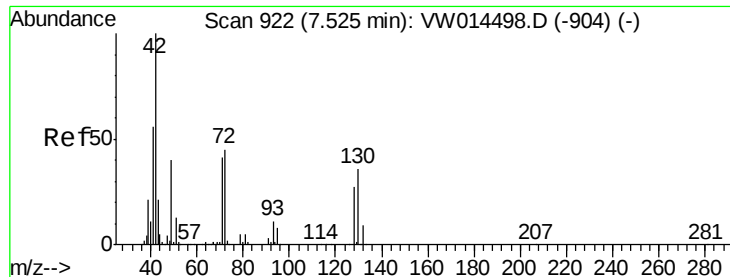
Bromochloromethane
 Concen: 56.927 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.0
130	78.4	62.5	93.7



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

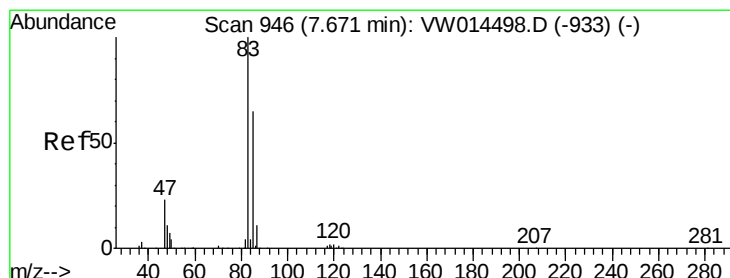
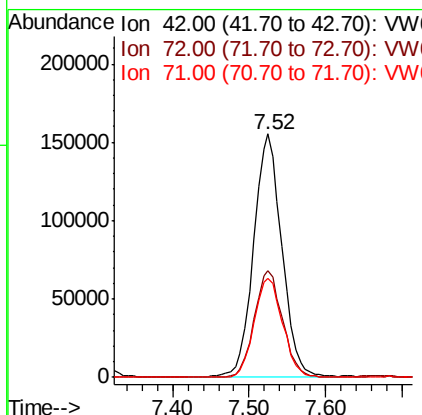
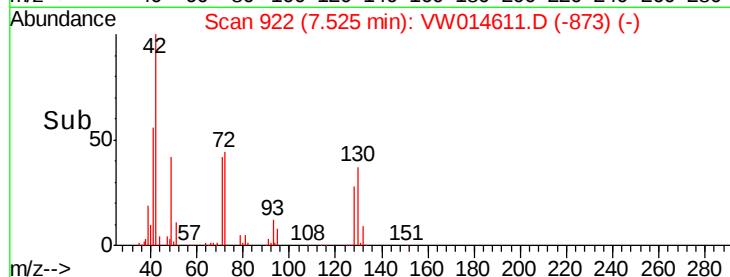
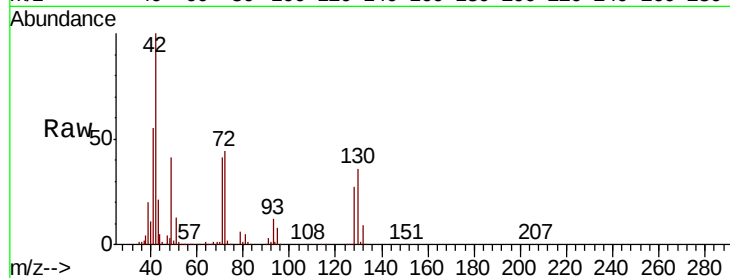




#29
Tetrahydrofuran
Concen: 293.022 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

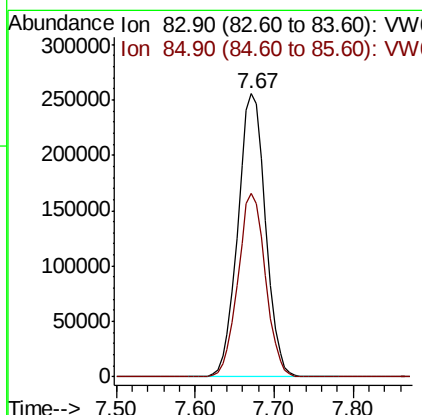
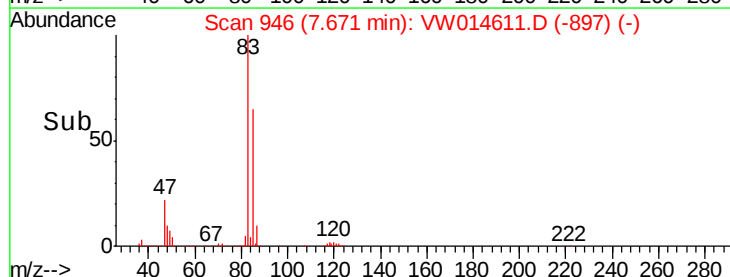
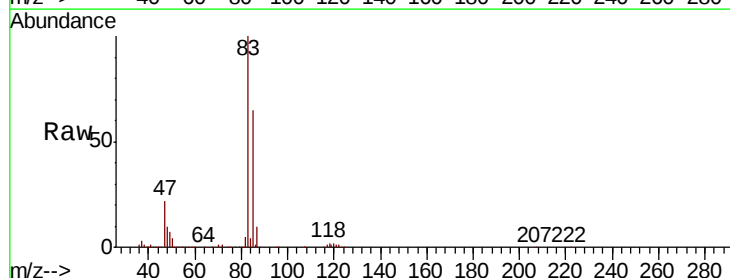
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

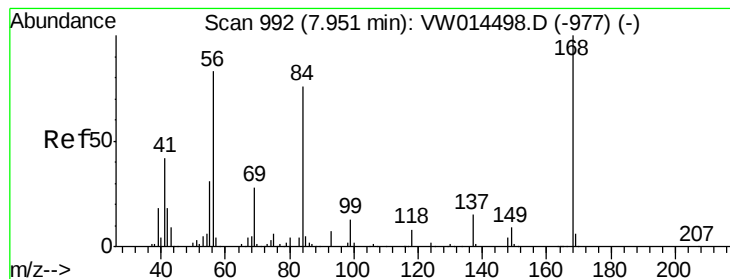
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.5	51.7
71	41.1	32.0	48.0



#30
Chloroform
Concen: 53.386 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2





#31

Cyclohexane

Concen: 51.125 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

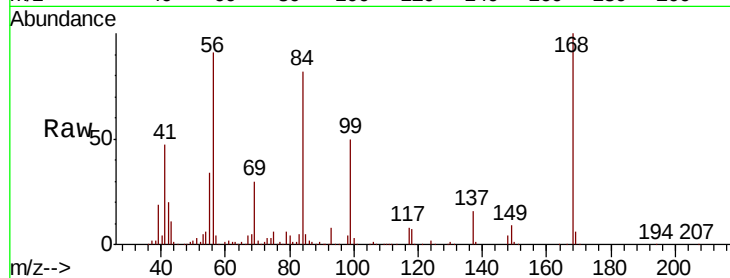
Tot Ion: 56 Resp: 664254

Ion Ratio Lower Upper

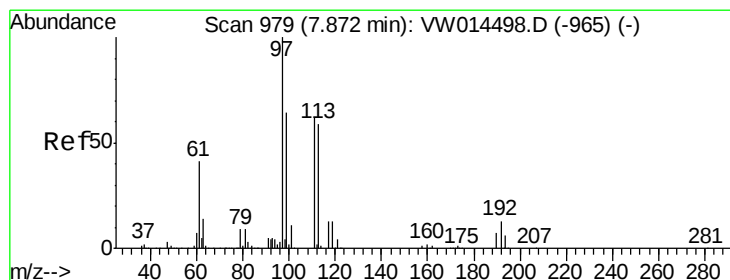
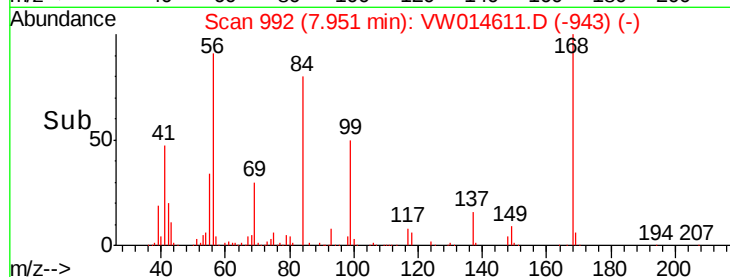
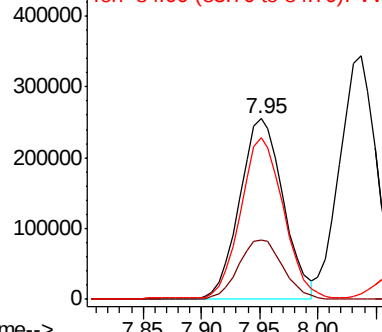
56 100

69 33.1 26.8 40.2

84 88.6 71.8 107.6



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: 54.162 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

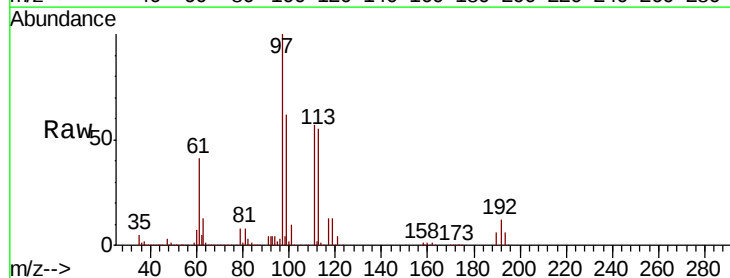
Tgt Ion: 97 Resp: 509265

Ion Ratio Lower Upper

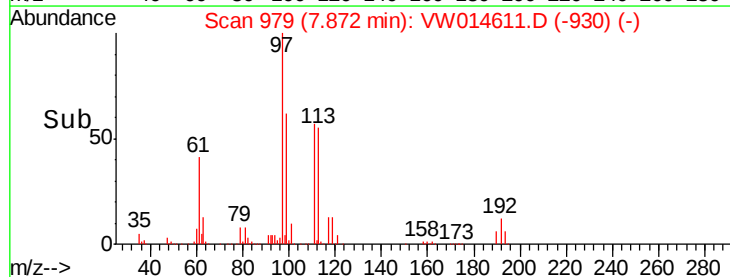
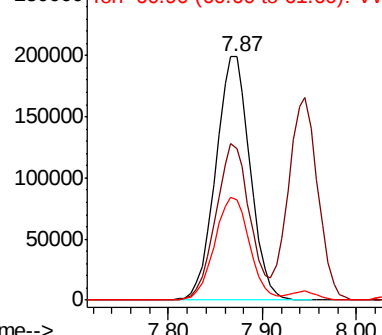
97 100

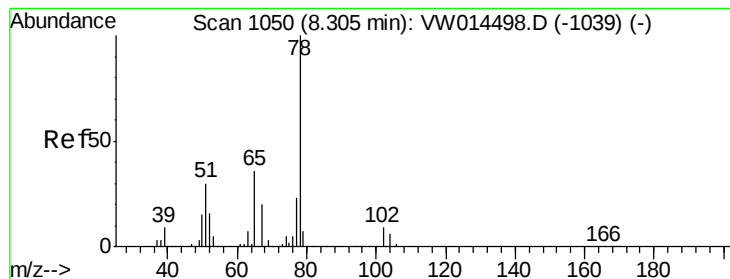
99 64.3 51.8 77.6

61 42.8 33.8 50.8



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: 50.709 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

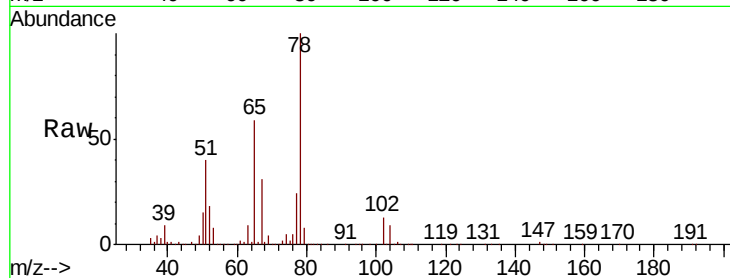
VSTDCCC050EC

Tot Ion: 65 Resp: 308711

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

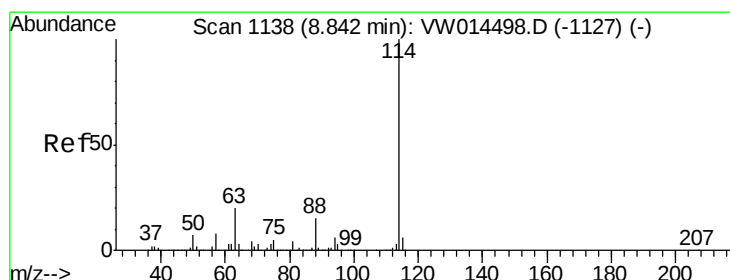
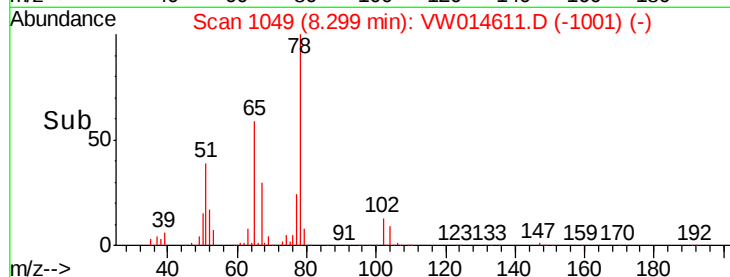
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

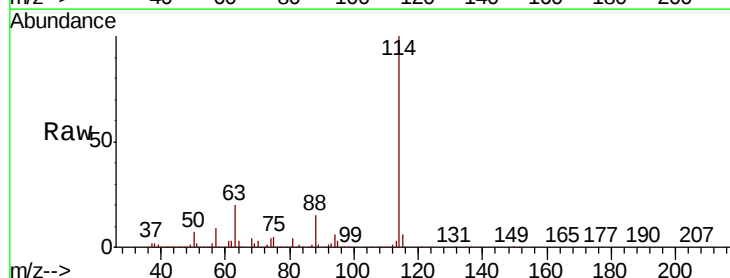
Tgt Ion: 114 Resp: 1031106

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

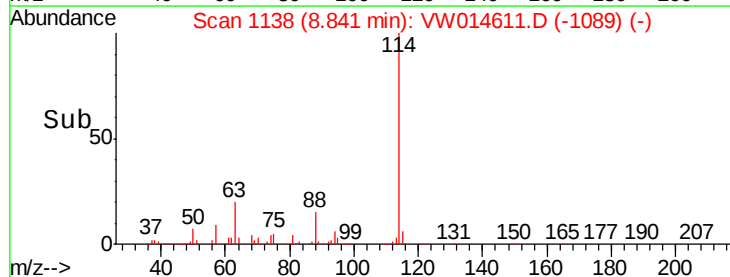
600000

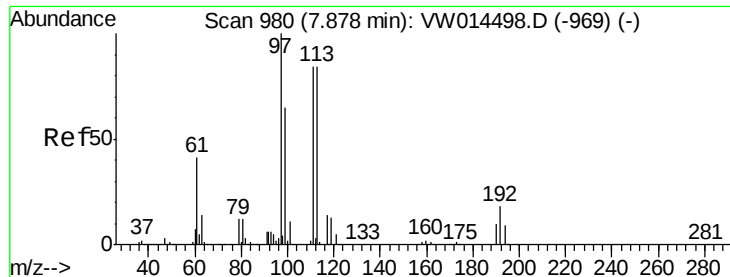
400000

200000

0

Time-->

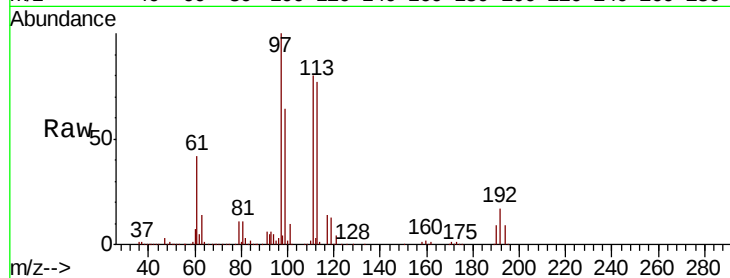




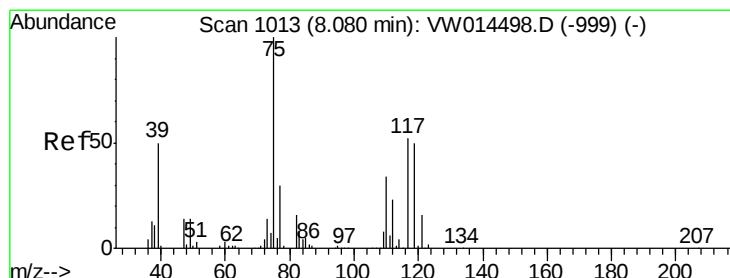
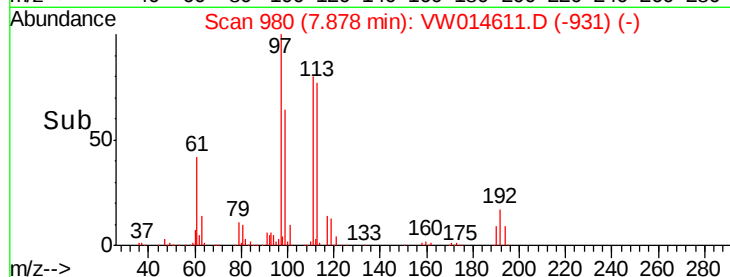
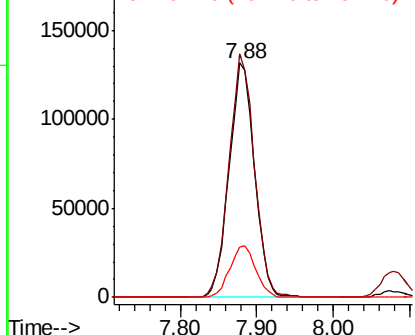
#35
 Dibromofluoromethane
 Concen: 51.322 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.2
192	22.6	17.8	26.8

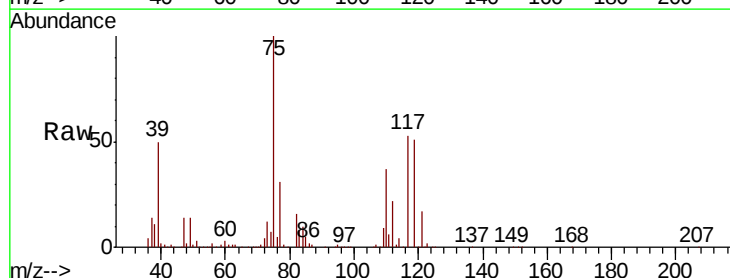


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

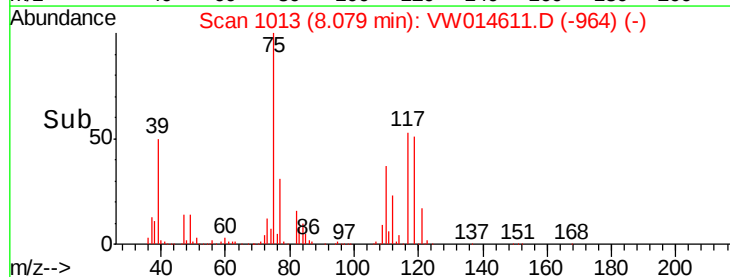
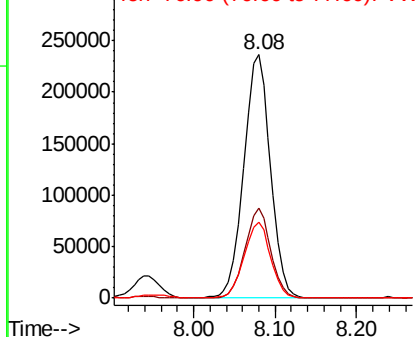


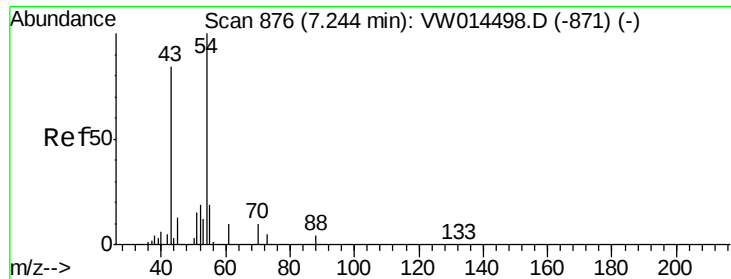
#36
 1,1-Dichloropropene
 Concen: 53.852 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.5
77	31.2	24.7	37.1



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

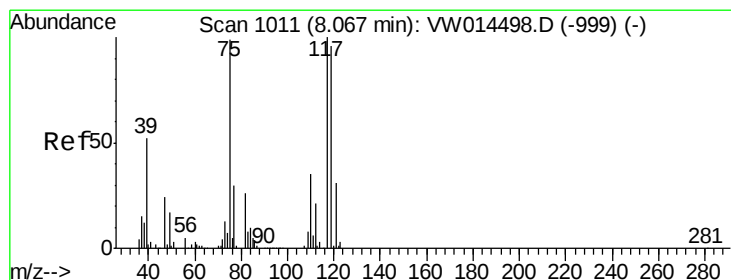
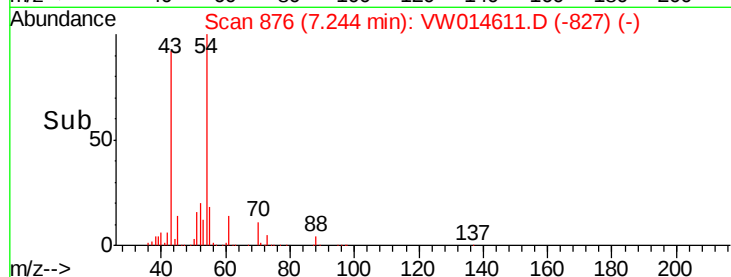
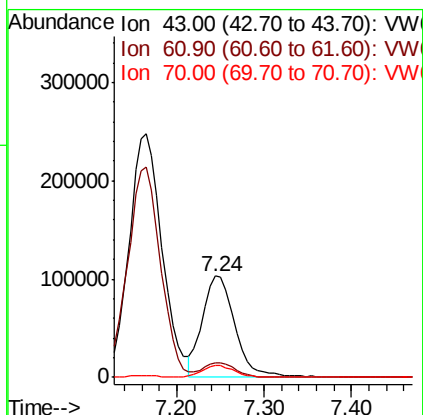
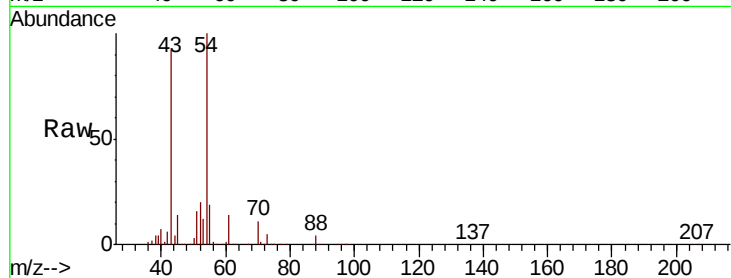




#37
Ethyl Acetate
Concen: 58.930 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

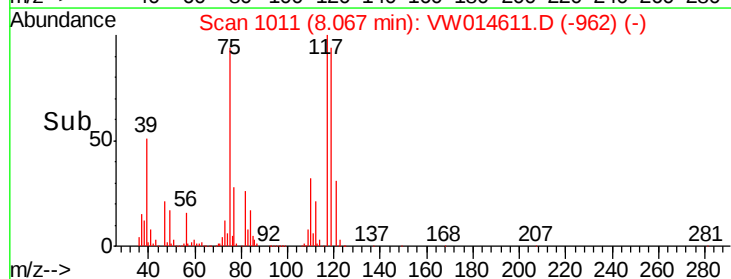
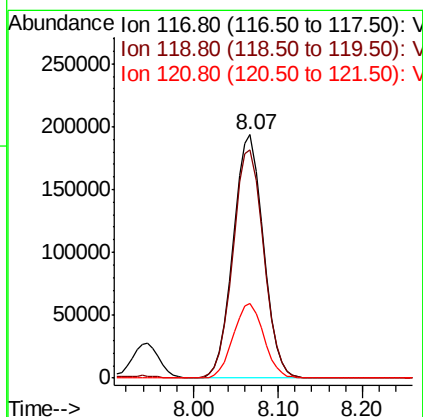
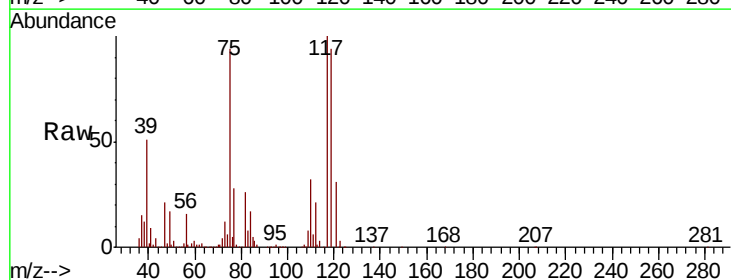
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 265671
Ion Ratio Lower Upper
43 100
61 14.3 11.7 17.5
70 11.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 54.282 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 117 Resp: 468120
Ion Ratio Lower Upper
117 100
119 93.6 77.0 115.6
121 30.8 24.6 36.8

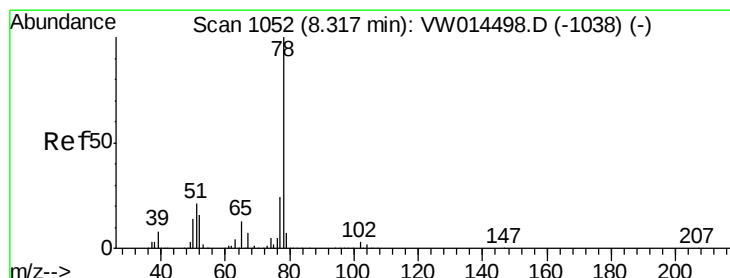
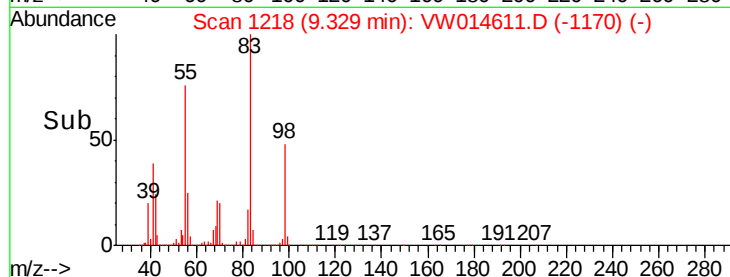
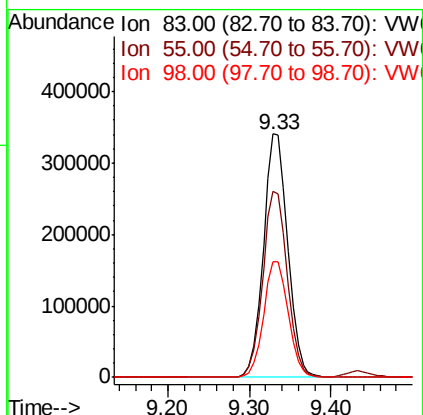
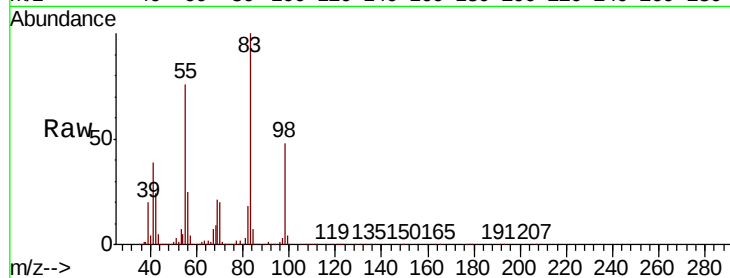




#39
Methvlcvclohexane
Concen: 55.259 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

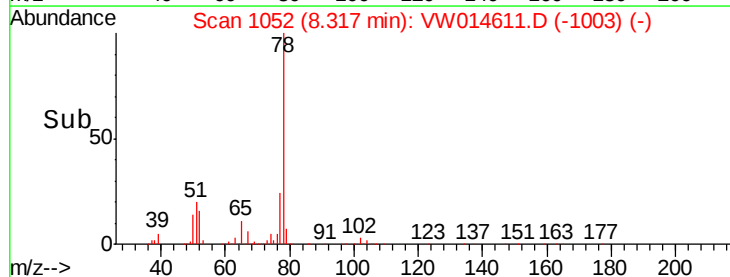
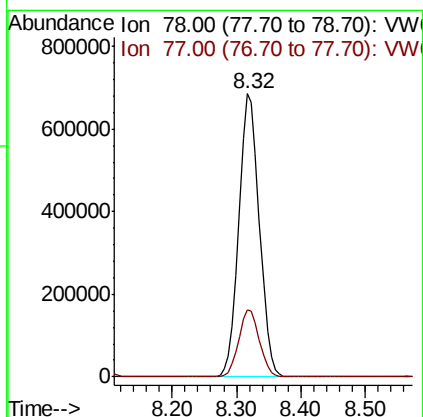
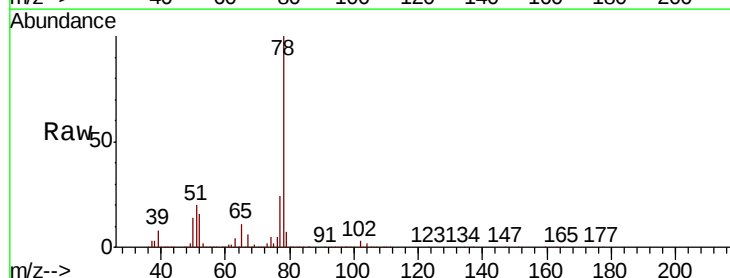
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

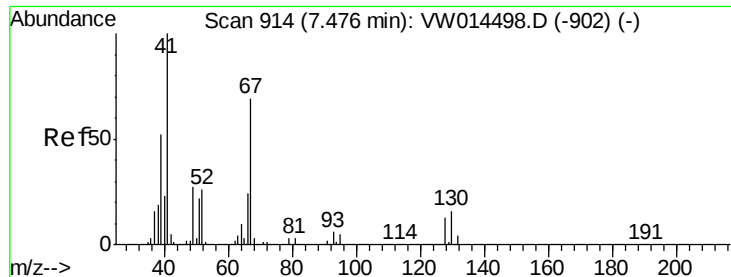
Tot Ion: 83 Resp: 704911
Ion Ratio Lower Upper
83 100
55 76.3 60.1 90.1
98 47.7 38.8 58.2



#40
Benzene
Concen: 53.777 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 78 Resp: 1512466
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

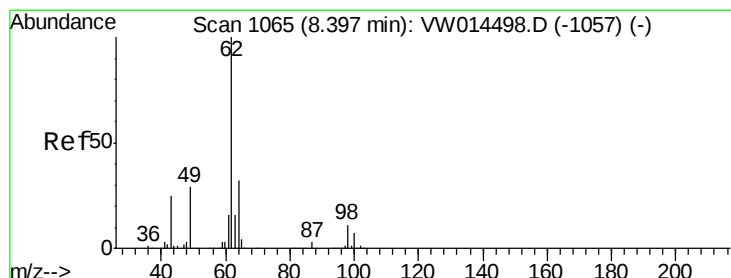
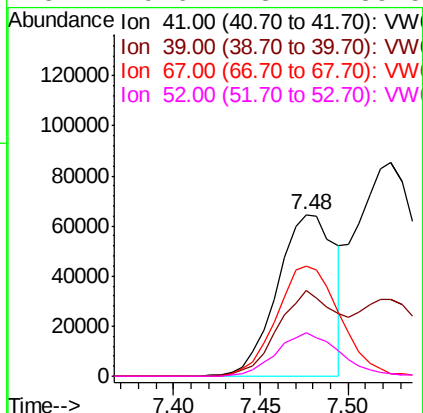
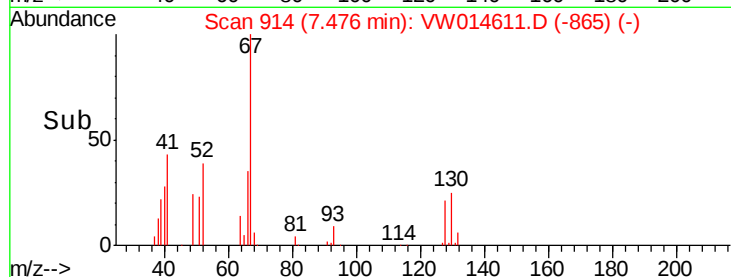
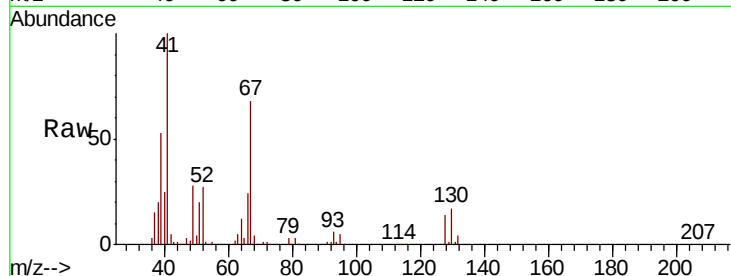




#41
Methacrylonitrile
Concen: 59.097 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

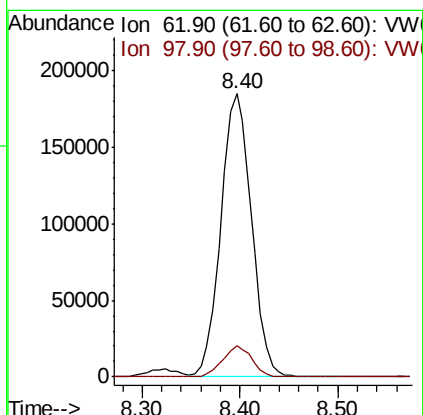
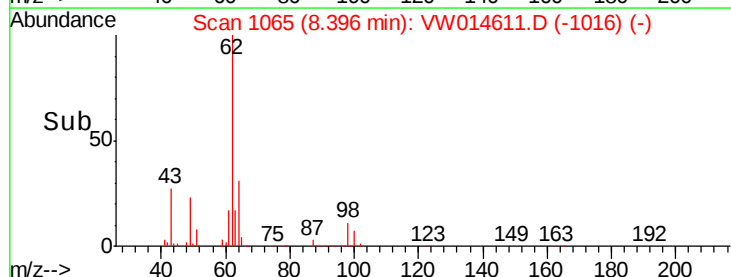
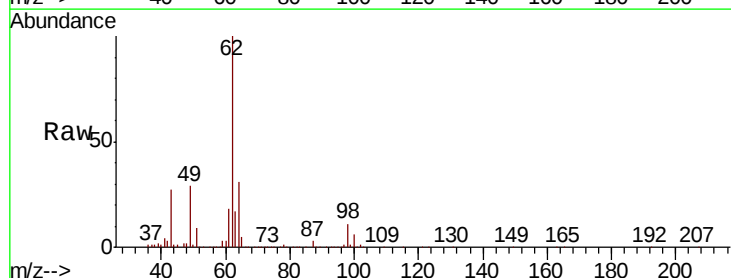
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

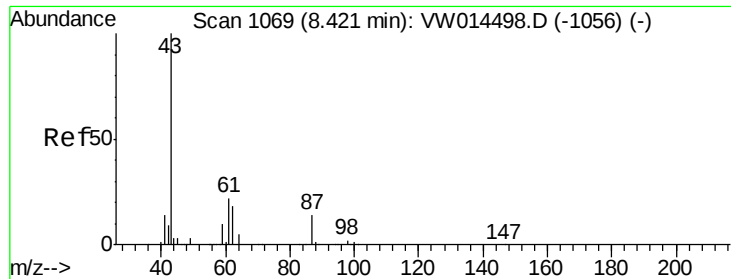
Tot Ion:	41	Resp:	148514
Ion	Ratio	Lower	Upper
41	100		
39	56.7	46.0	69.0
67	76.2	60.8	91.2
52	29.6	23.7	35.5



#42
1,2-Dichloroethane
Concen: 54.883 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion:	62	Resp:	400567
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.0





#43

Isopropyl Acetate

Concen: 59.059 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

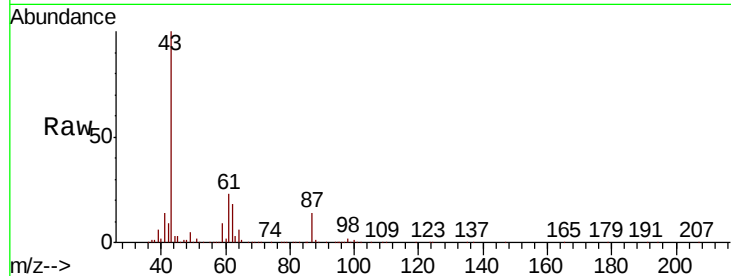
Tot Ion: 43 Resp: 483484

Ion Ratio Lower Upper

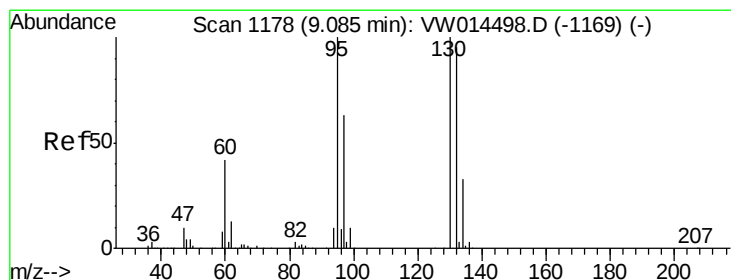
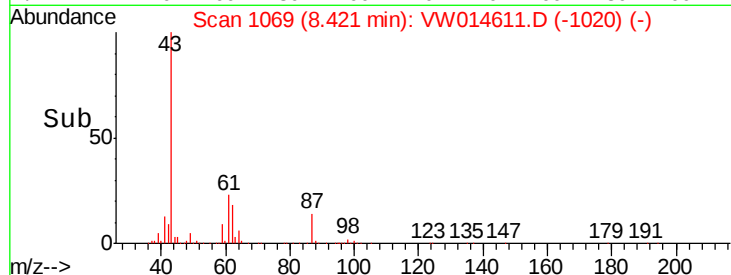
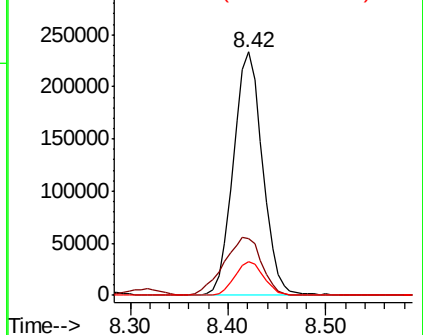
43 100

61 30.9 24.7 37.1

87 13.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 54.723 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014611.D

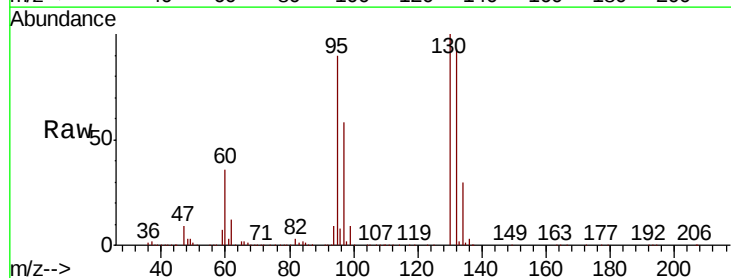
Acq: 10 Jan 2020 20:21

Tgt Ion:130 Resp: 416461

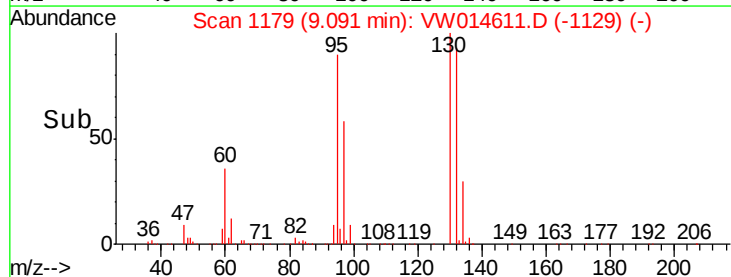
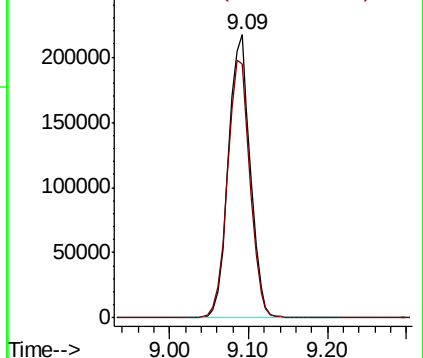
Ion Ratio Lower Upper

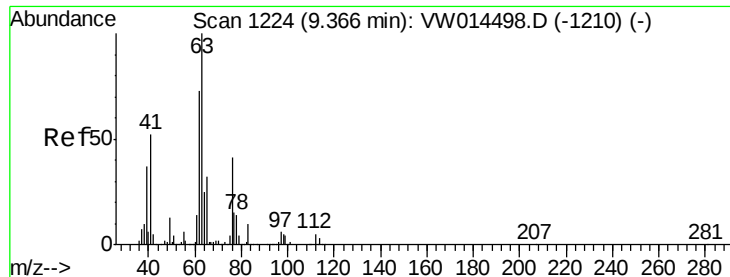
130 100

95 89.7 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

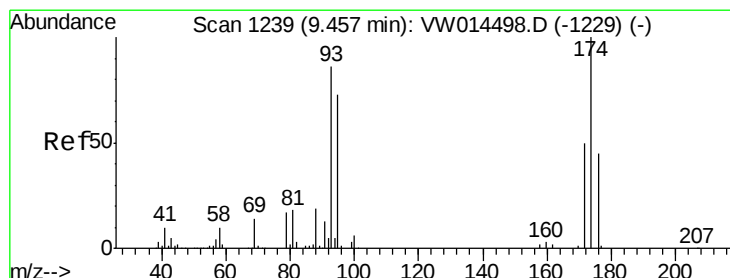
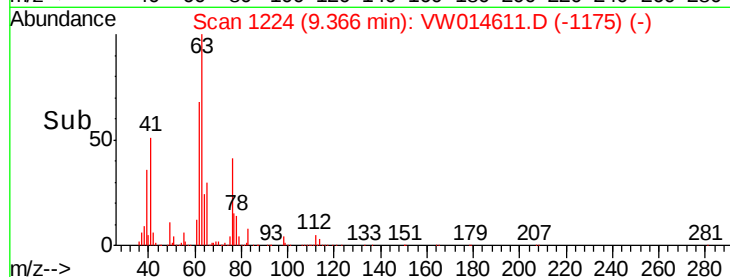
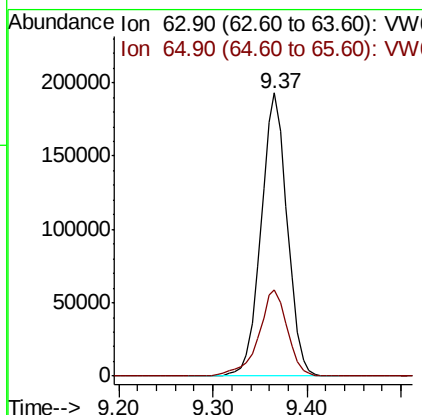
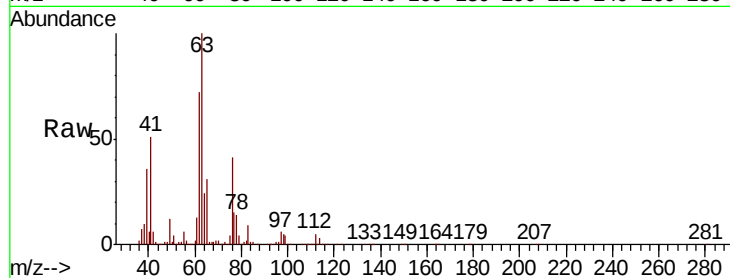




#45
 1,2-Dichloropropane
 Concen: 54.442 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

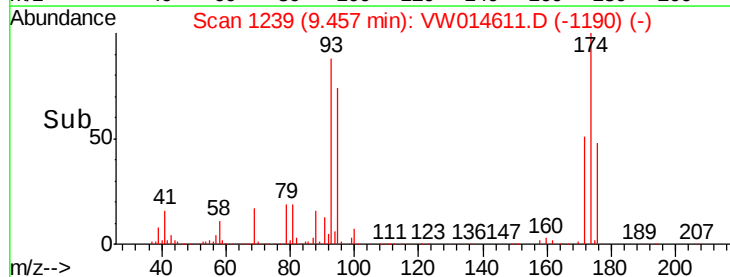
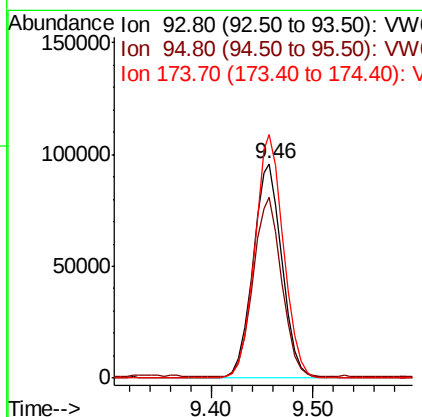
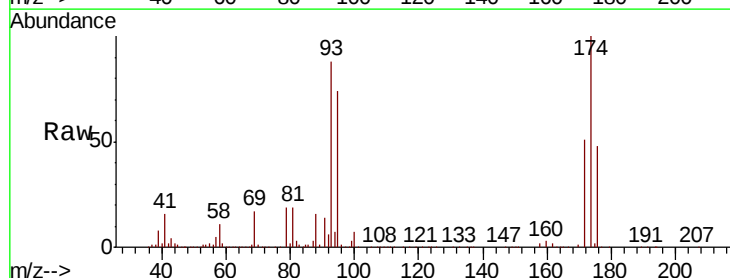
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

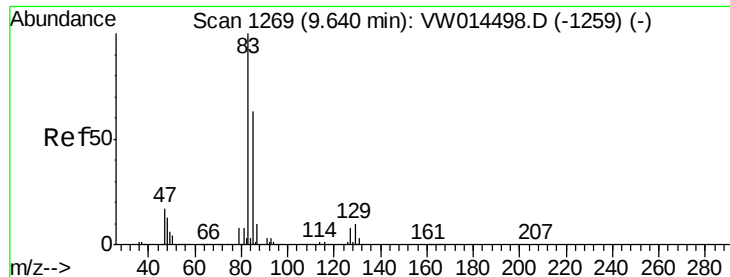
Tot Ion: 63 Resp: 375736
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.6 38.4



#46
 Dibromomethane
 Concen: 55.380 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion: 93 Resp: 188683
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 113.0 89.1 133.7





#47

Bromodichloromethane

Concen: 55.413 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

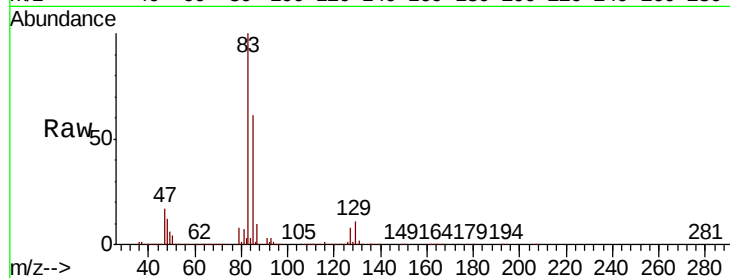
Tot Ion: 83 Resp: 466113

Ion Ratio Lower Upper

83 100

85 61.2 50.6 76.0

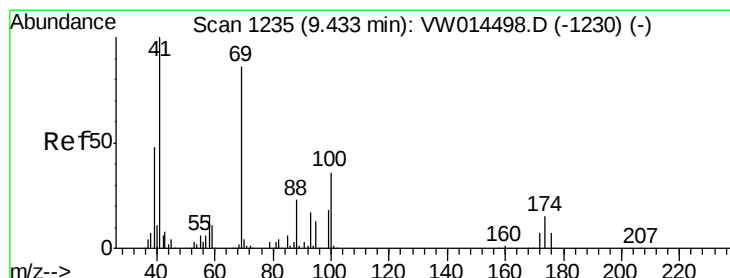
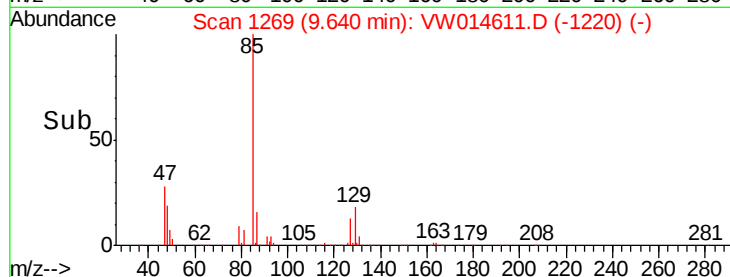
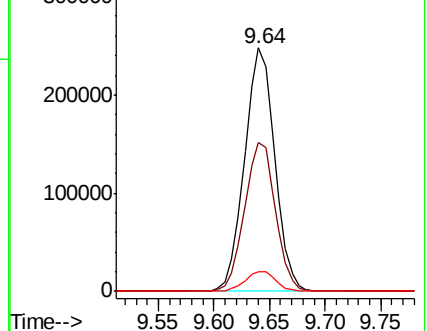
127 7.8 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 59.702 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

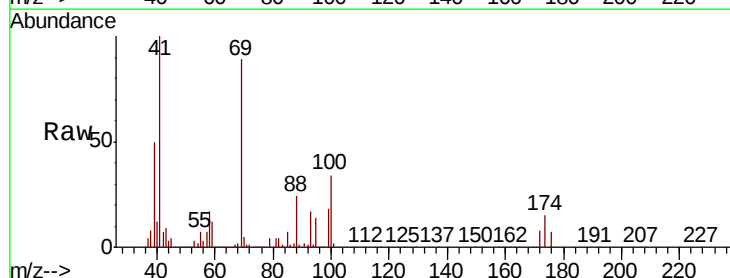
Tgt Ion: 41 Resp: 238627

Ion Ratio Lower Upper

41 100

69 86.6 68.3 102.5

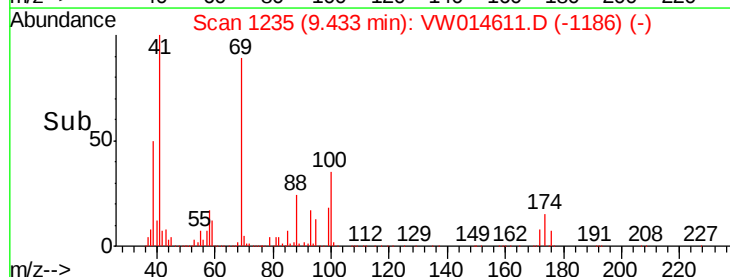
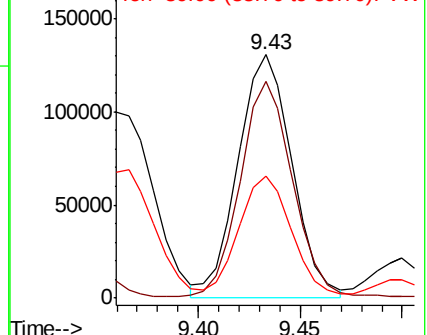
39 46.2 36.8 55.2

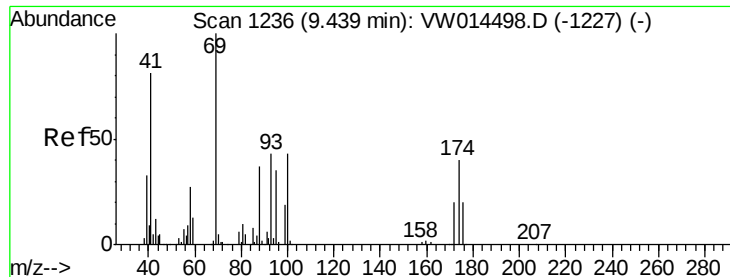


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1169.494 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

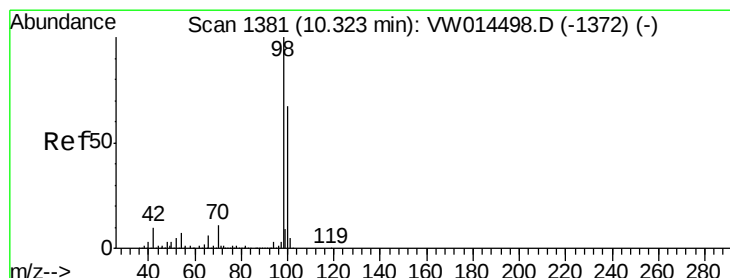
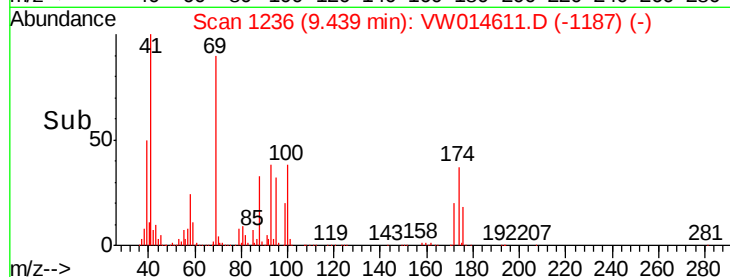
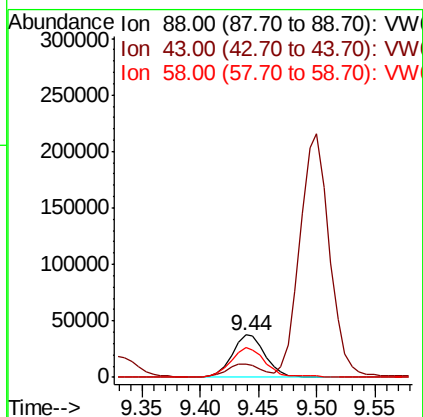
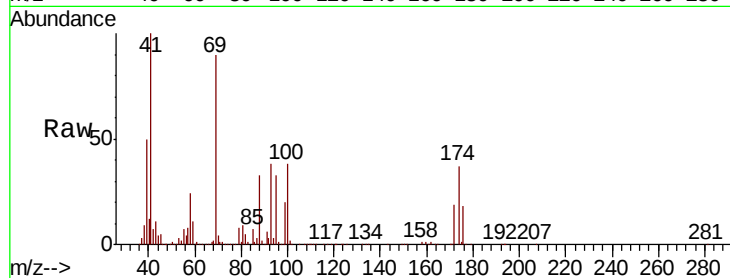
Tot Ion: 88 Resp: 74525

Ion Ratio Lower Upper

88 100

43 30.9 24.9 37.3

58 71.5 56.9 85.3



#50

Toluene-d8

Concen: 50.959 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014611.D

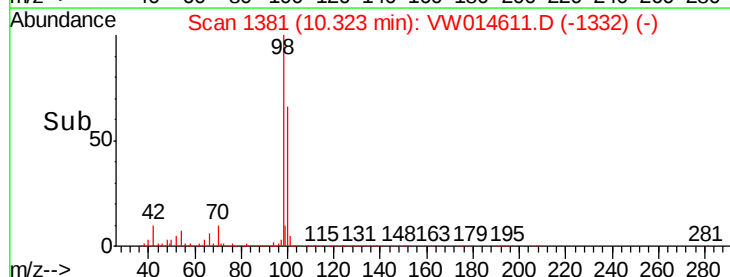
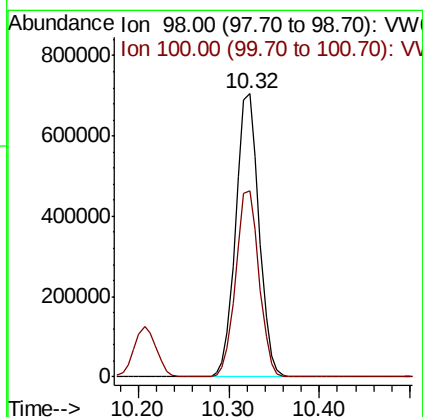
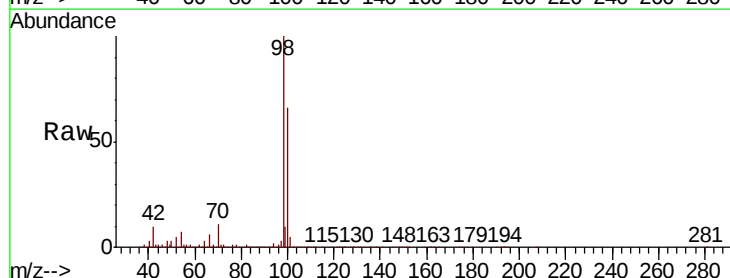
Acq: 10 Jan 2020 20:21

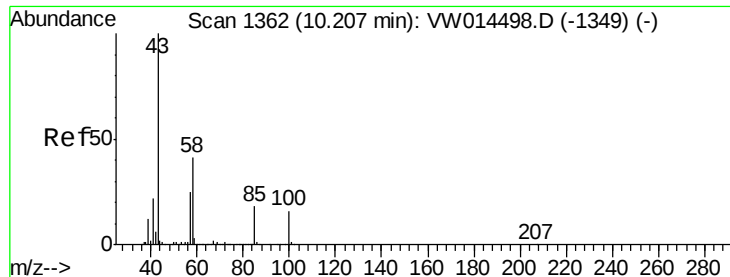
Tgt Ion: 98 Resp: 1253222

Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 305.581 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

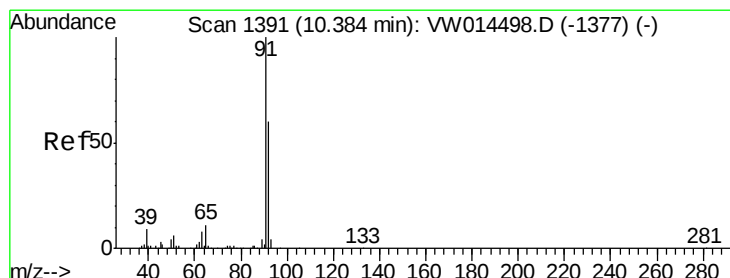
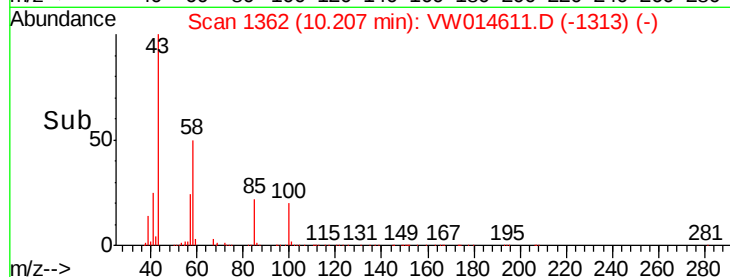
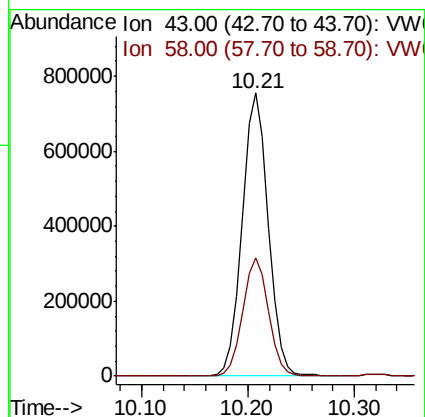
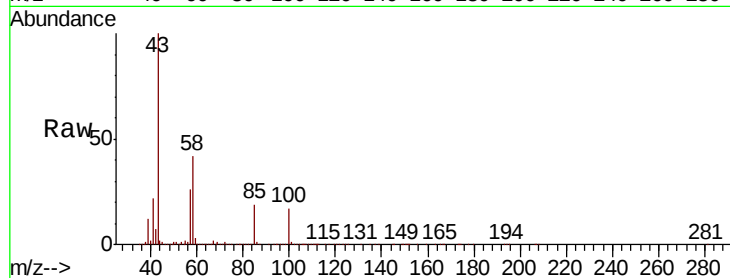
VSTDCCC050EC

Tot Ion: 43 Resp: 1299108

Ion Ratio Lower Upper

43 100

58 41.5 32.7 49.1



#52

Toluene

Concen: 54.407 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014611.D

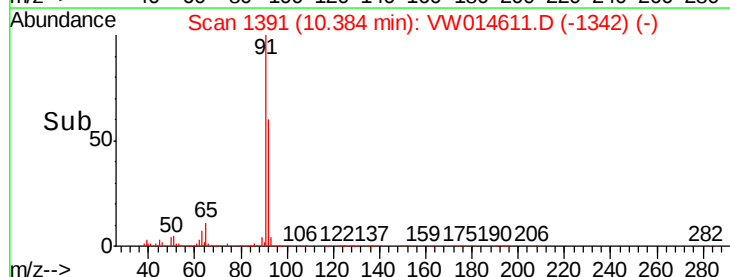
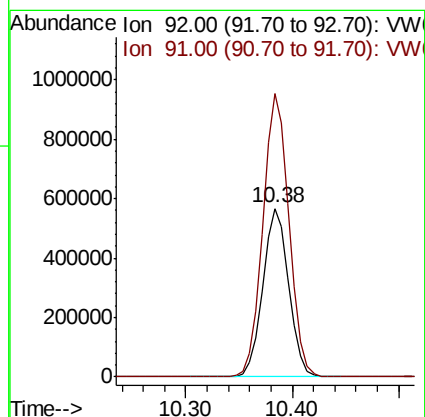
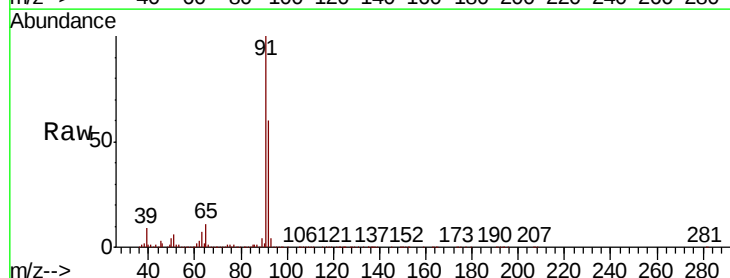
Acq: 10 Jan 2020 20:21

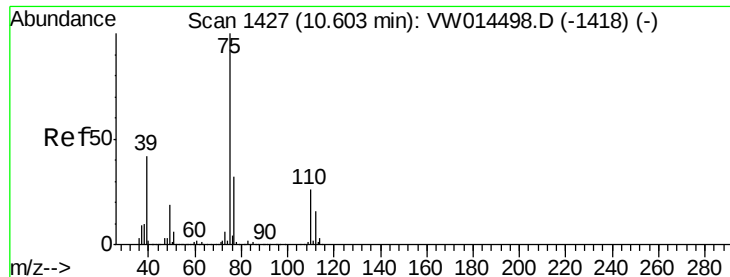
Tgt Ion: 92 Resp: 962661

Ion Ratio Lower Upper

92 100

91 169.4 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 55.428 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

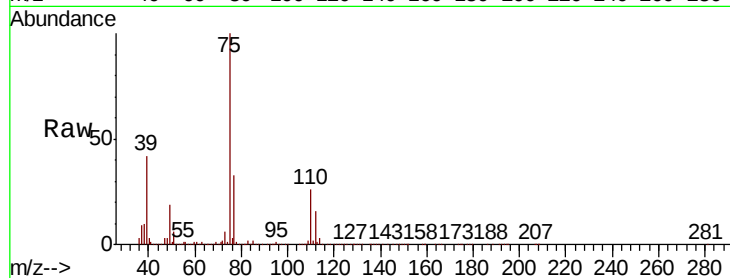
VSTDCCC050EC

Tot Ion: 75 Resp: 482737

Ion Ratio Lower Upper

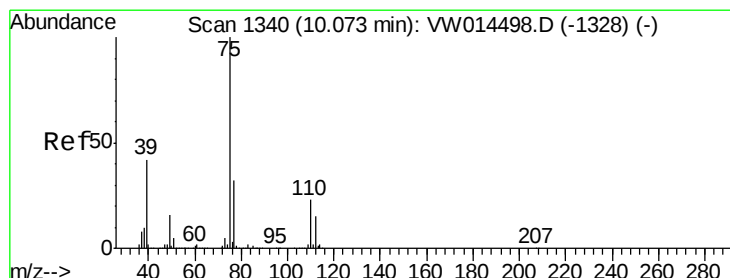
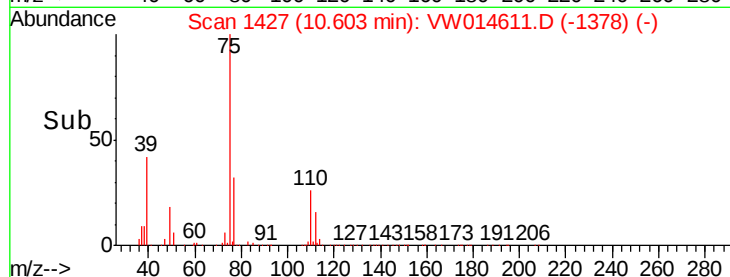
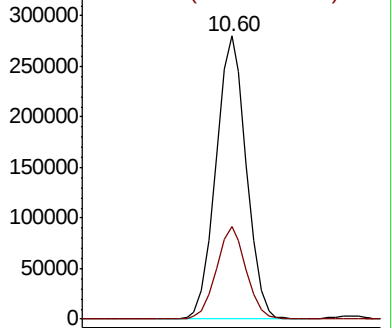
75 100

77 32.4 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 54.540 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

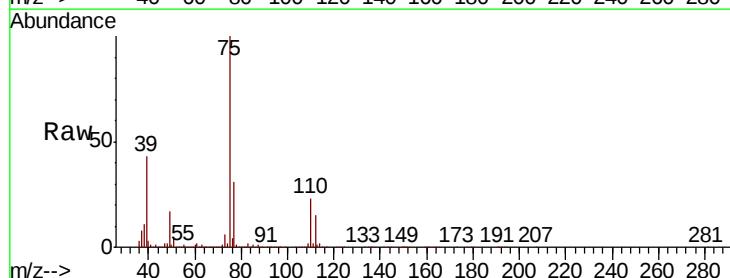
Tgt Ion: 75 Resp: 580534

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

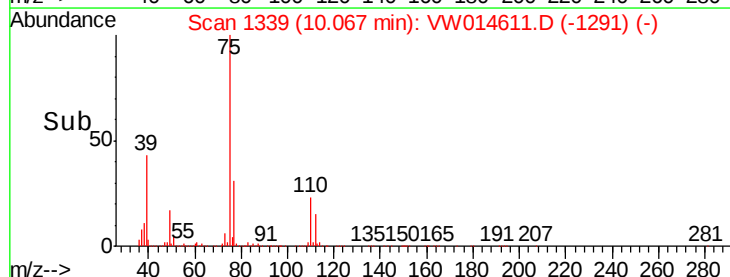
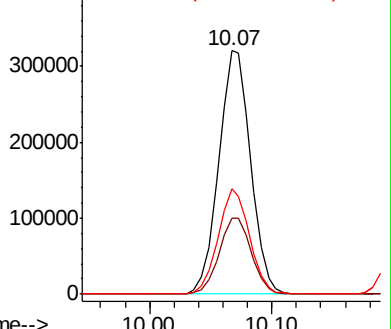
39 43.4 33.4 50.2

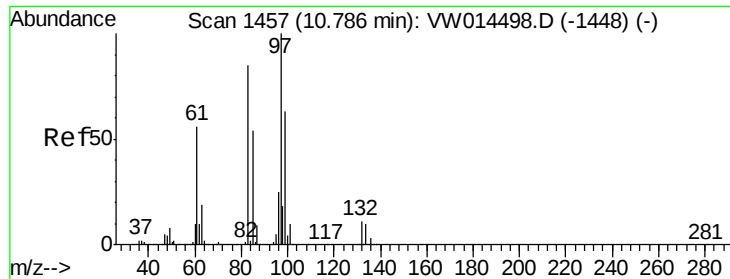


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

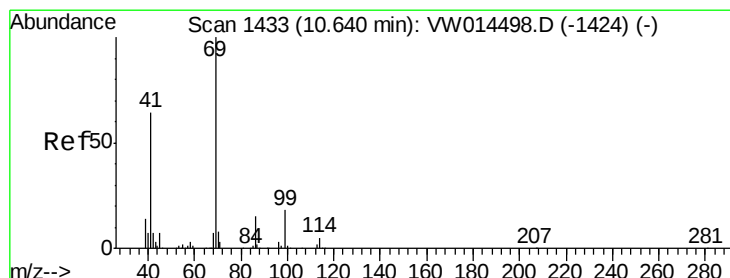
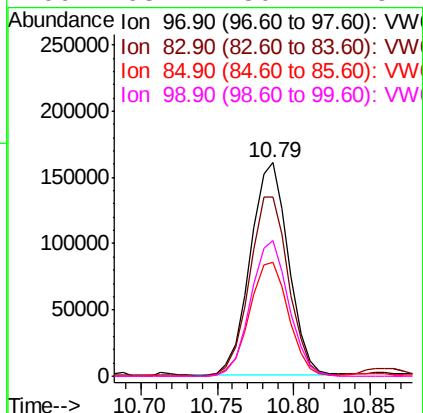
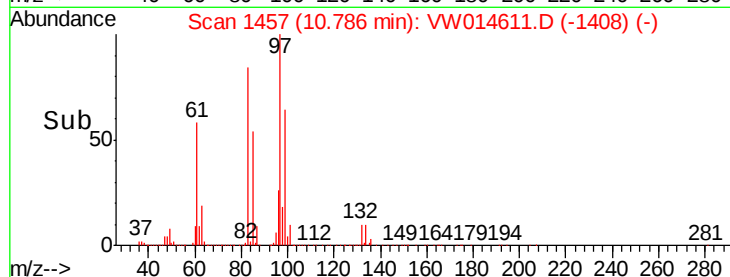
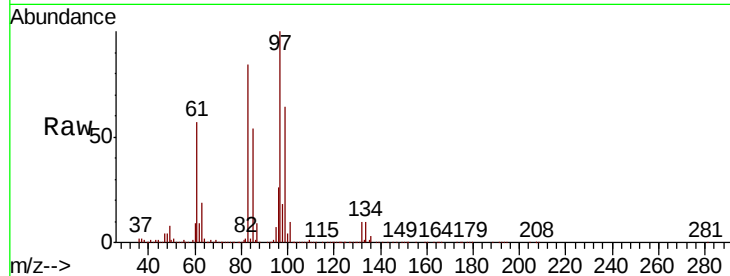




#55
 1,1,2-Trichloroethane
 Concen: 56.423 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

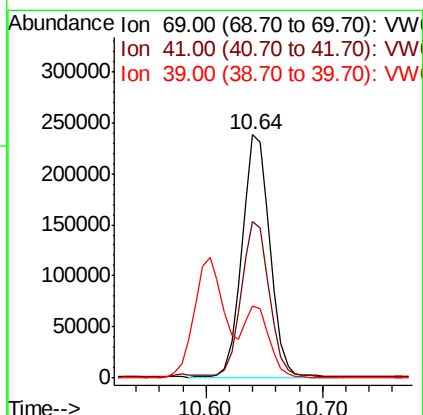
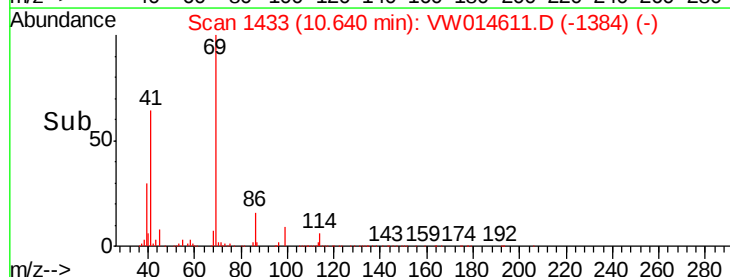
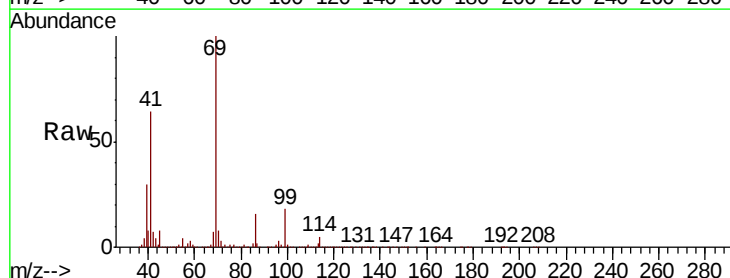
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	280759
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.4
85	53.7	43.0	64.4
99	63.7	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 61.085 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion:	69	Resp:	395020
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.3	76.9
39	25.6	21.0	31.6





#57

1,3-Dichloropropane

Concen: 56.687 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

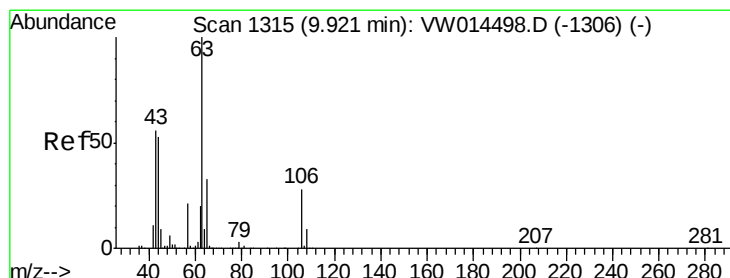
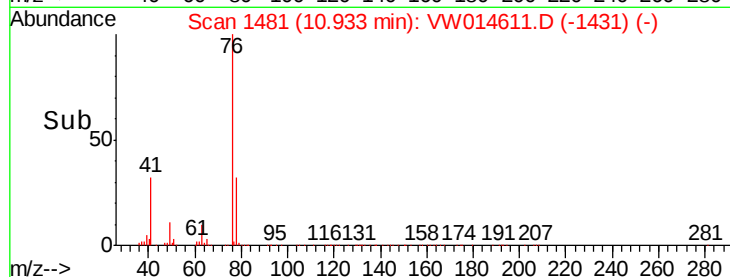
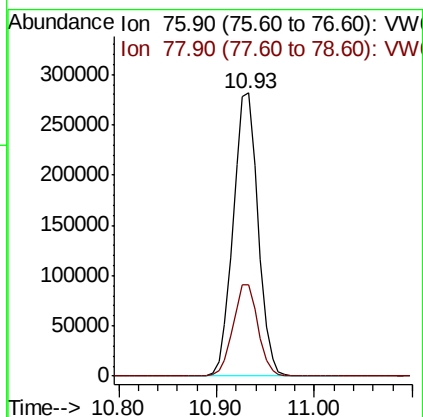
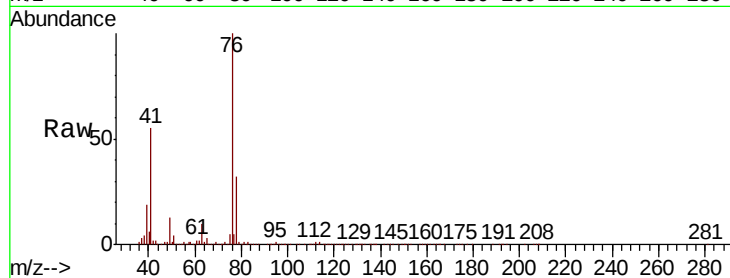
VSTDCCC050EC

Tot Ion: 76 Resp: 495750

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 314.021 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014611.D

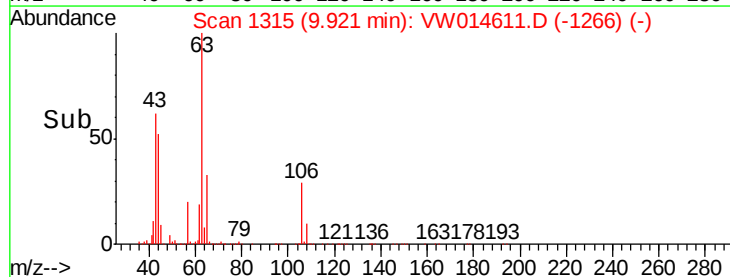
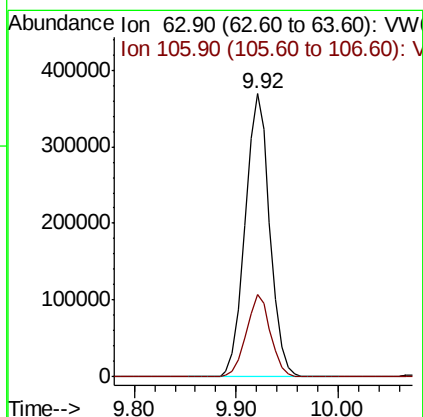
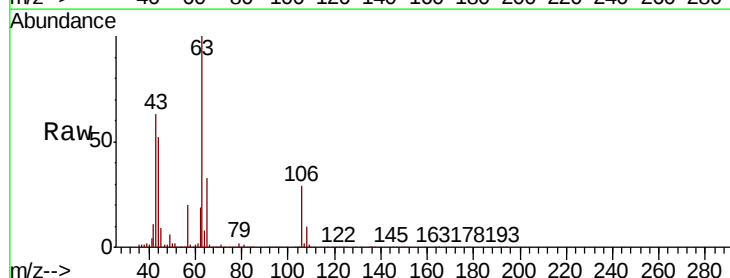
Acq: 10 Jan 2020 20:21

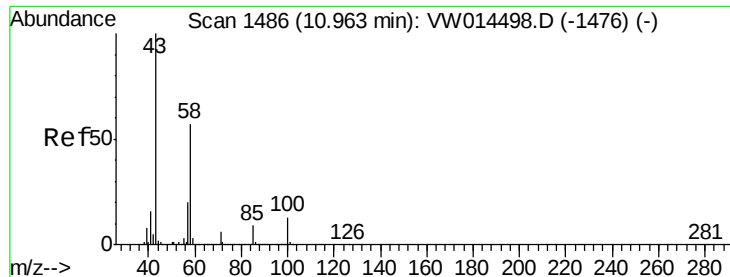
Tgt Ion: 63 Resp: 617601

Ion Ratio Lower Upper

63 100

106 28.5 23.0 34.6

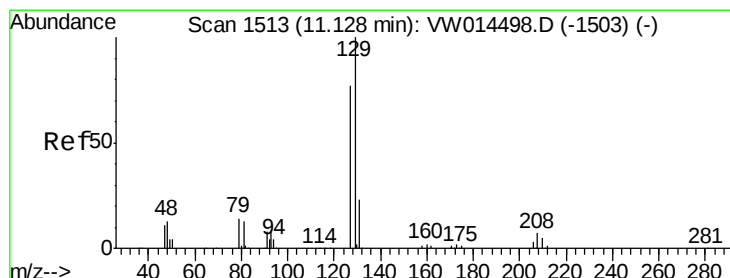
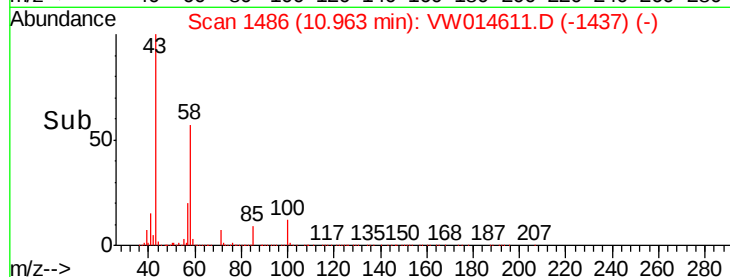
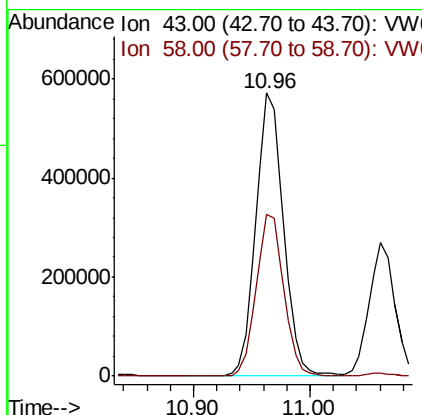
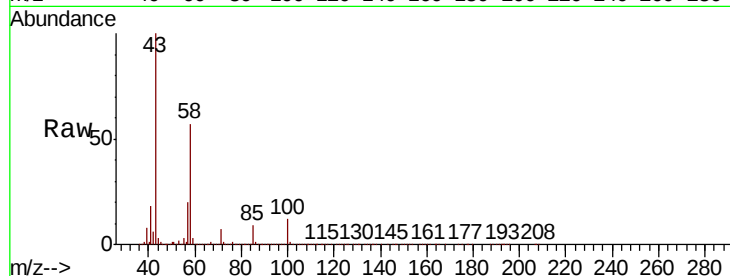




#59
2-Hexanone
Concen: 321.253 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

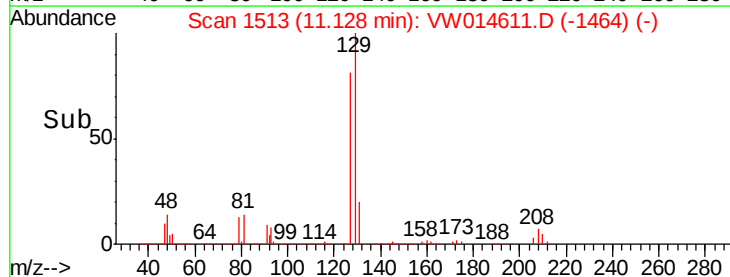
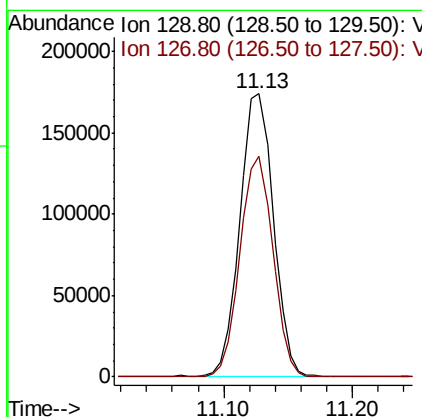
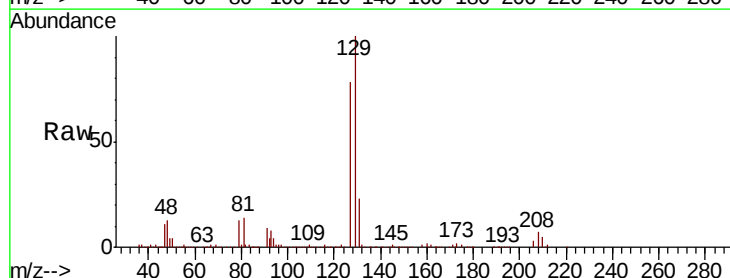
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

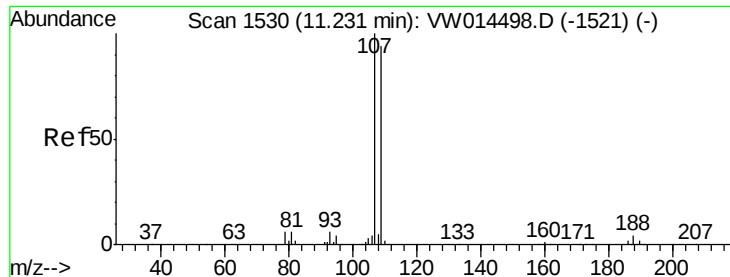
Tot Ion: 43 Resp: 941111
Ion Ratio Lower Upper
43 100
58 57.4 28.7 86.3



#60
Dibromochloromethane
Concen: 55.697 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 129 Resp: 312705
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5

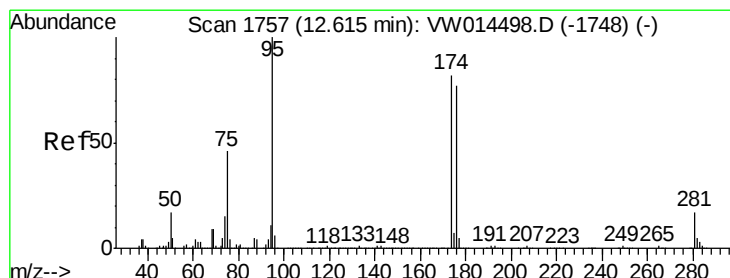
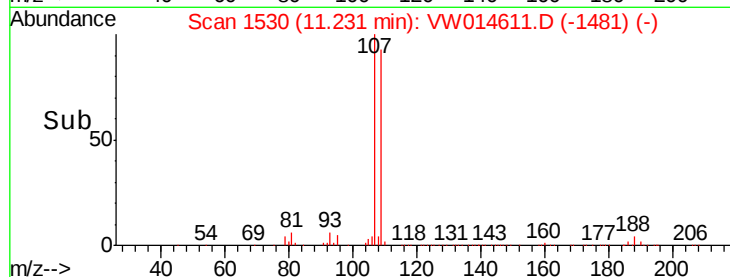
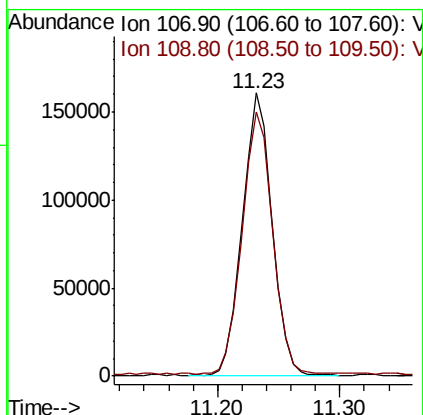
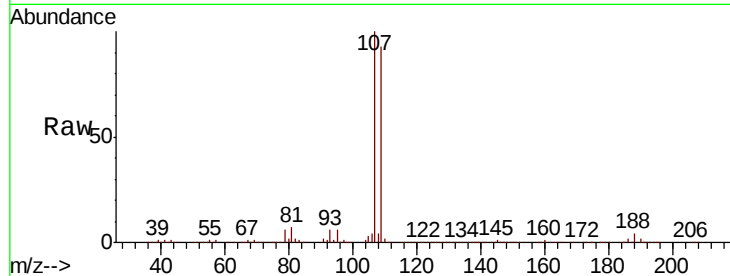




#61
 1,2-Dibromoethane
 Concen: 57.232 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

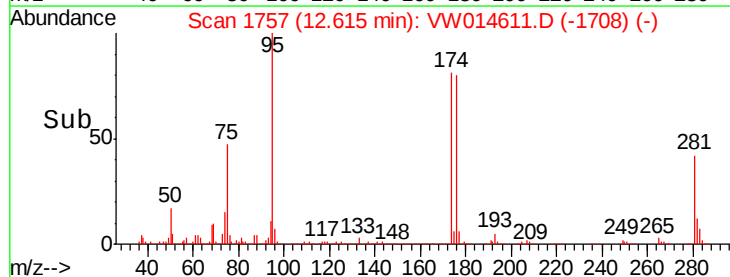
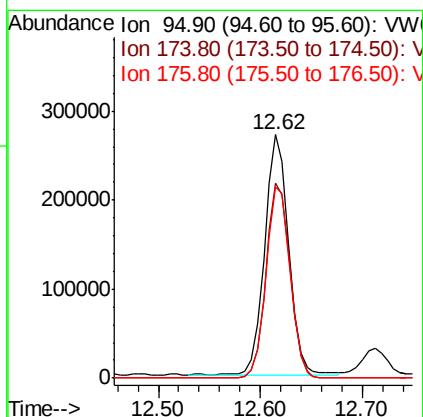
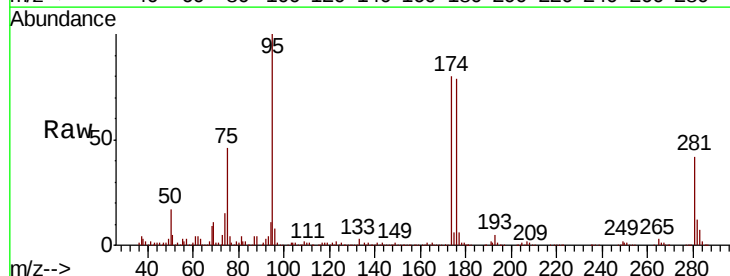
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

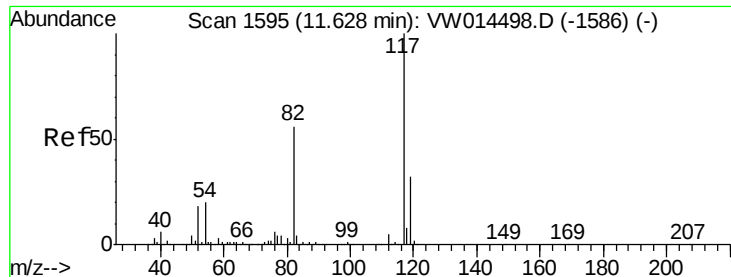
Tot Ion: 107 Resp: 270325
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.774 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion: 95 Resp: 440219
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 168.6
 176 79.4 0.0 162.0

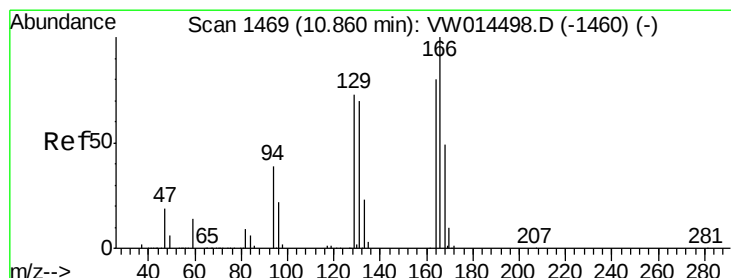
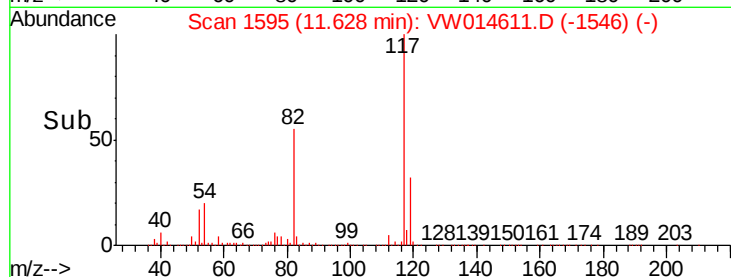
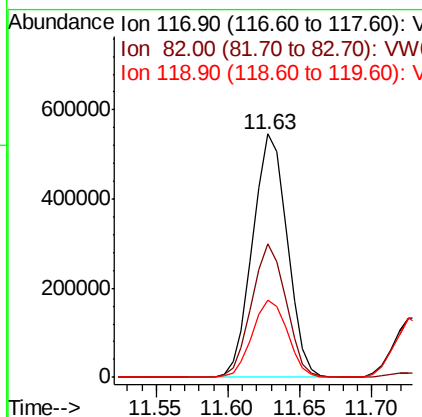
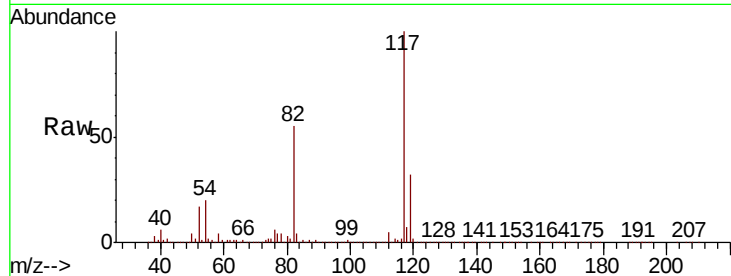




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

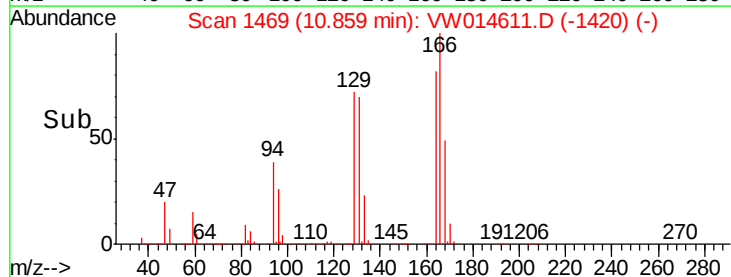
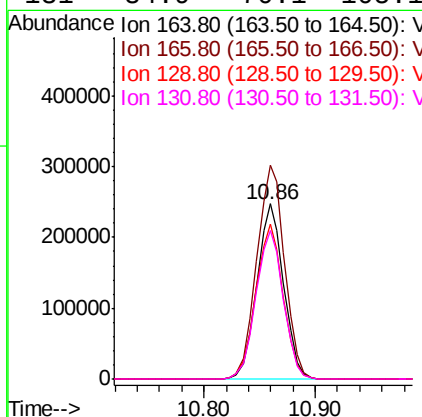
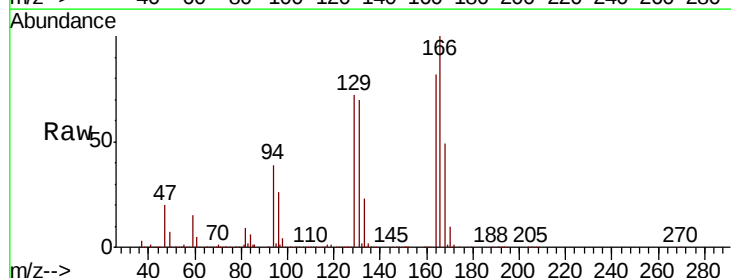
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

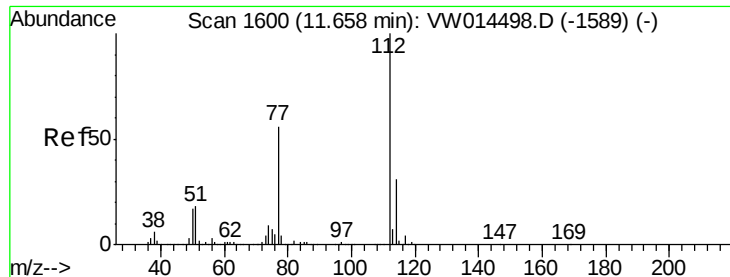
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.7	25.7	38.5



#64
Tetrachloroethene
Concen: 62.612 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	99.8	149.6
129	88.1	72.4	108.6
131	84.9	70.1	105.1





#65

Chlorobenzene

Concen: 52.860 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

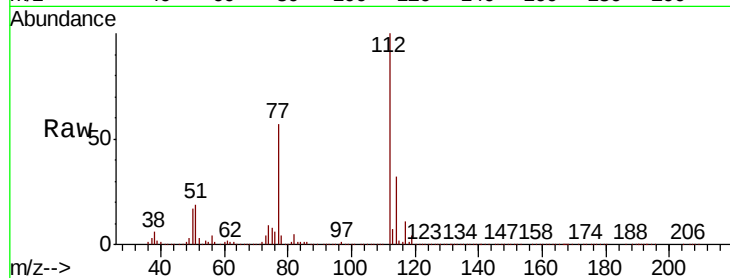
VSTDCCC050EC

Tot Ion:112 Resp: 984667

Ion Ratio Lower Upper

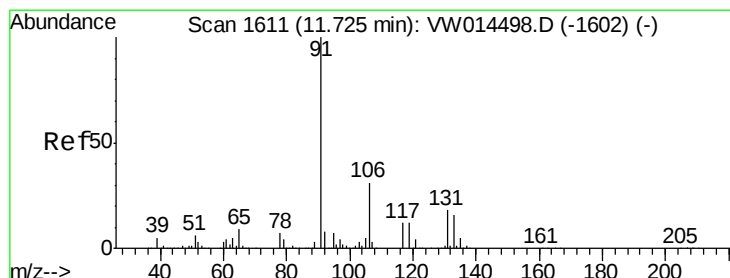
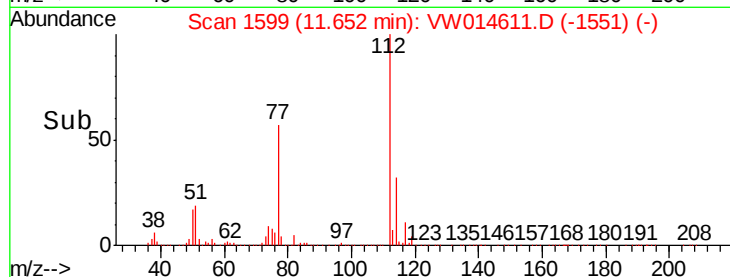
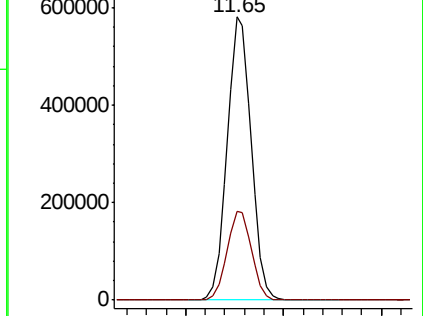
112 100

114 31.5 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.777 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

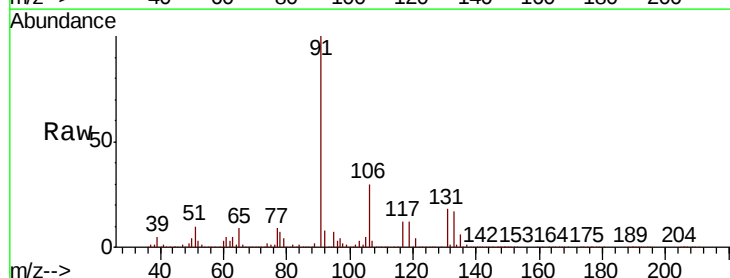
Tgt Ion:131 Resp: 337288

Ion Ratio Lower Upper

131 100

133 95.2 47.3 142.0

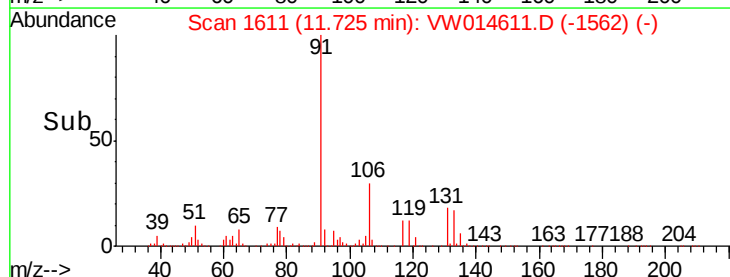
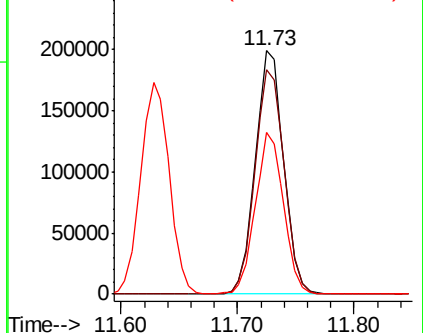
119 65.8 33.1 99.3

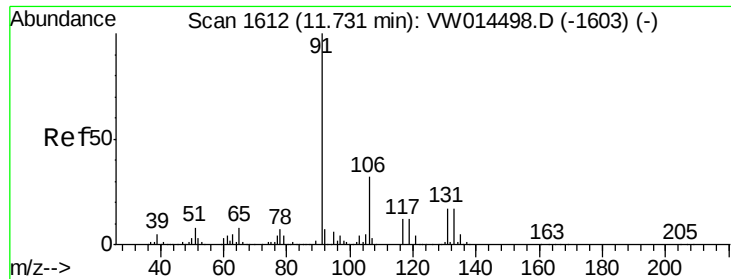


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

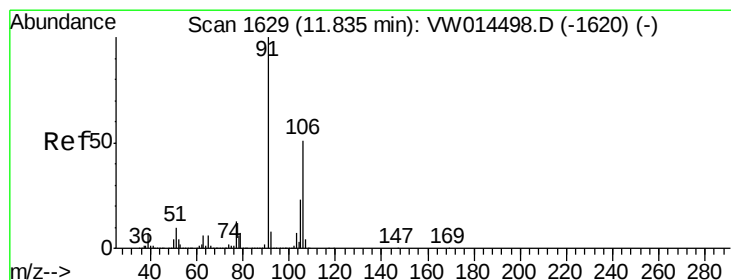
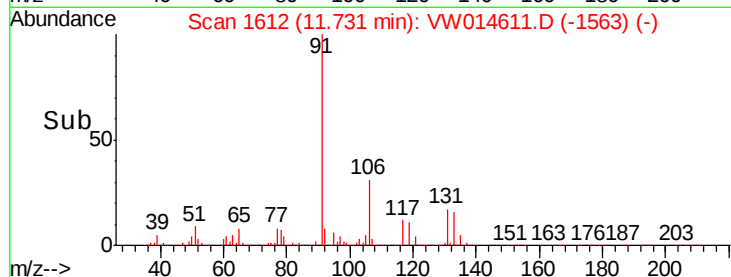
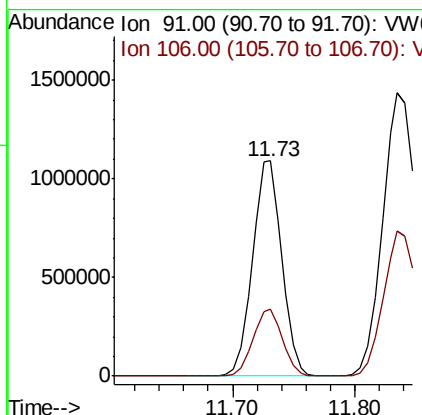
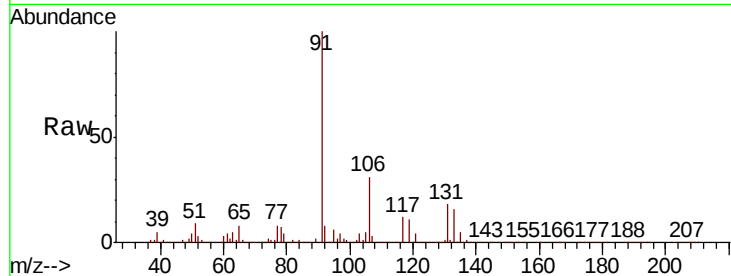




#67
Ethyl Benzene
Concen: 54.220 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

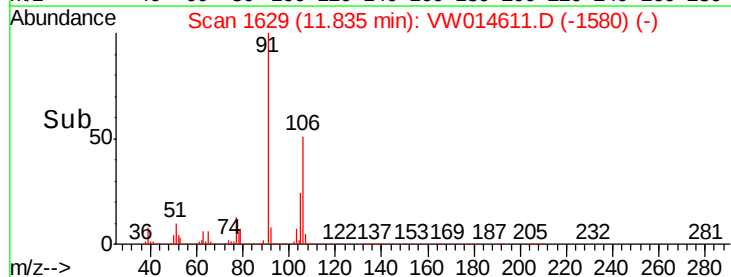
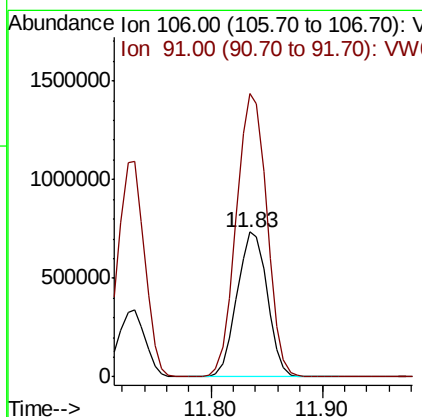
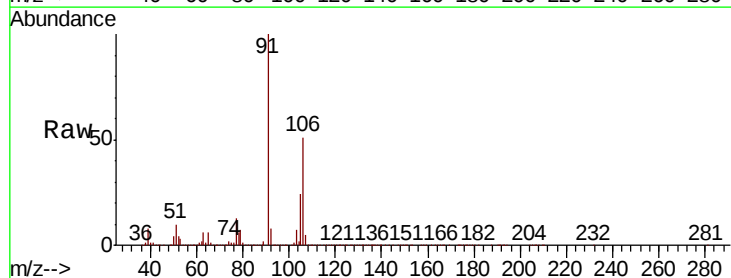
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

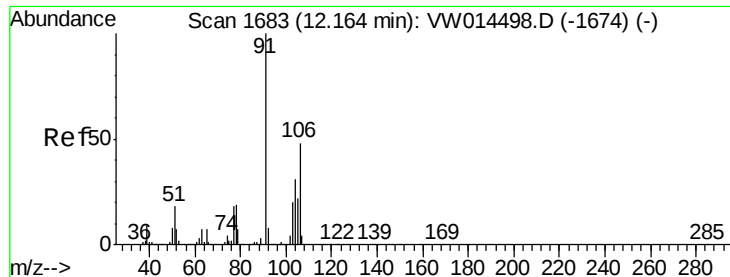
Tot Ion: 91 Resp: 1820187
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 107.711 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 106 Resp: 1383882
Ion Ratio Lower Upper
106 100
91 197.1 159.0 238.6

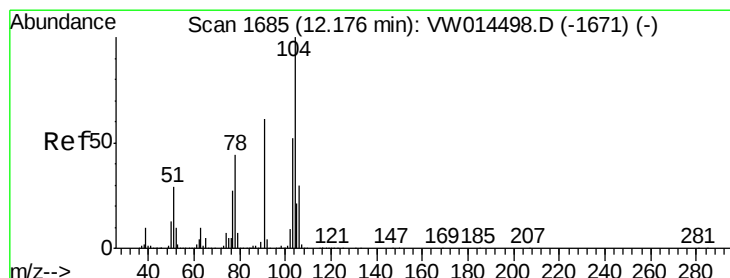
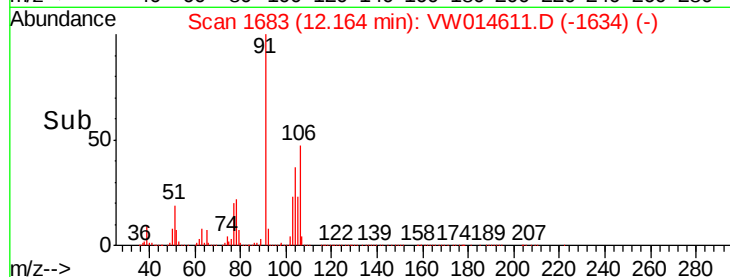
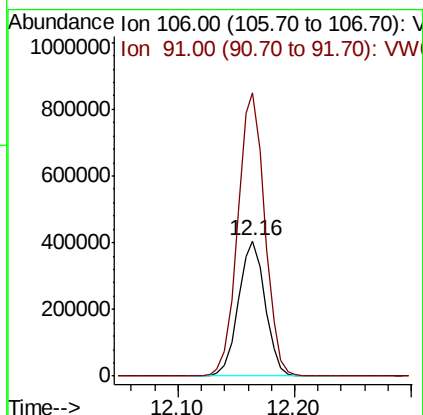
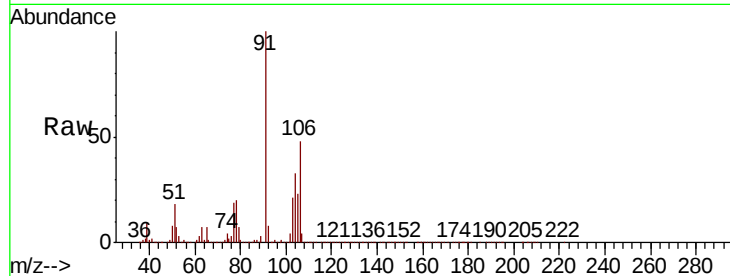




#69
o-Xylene
Concen: 54.686 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

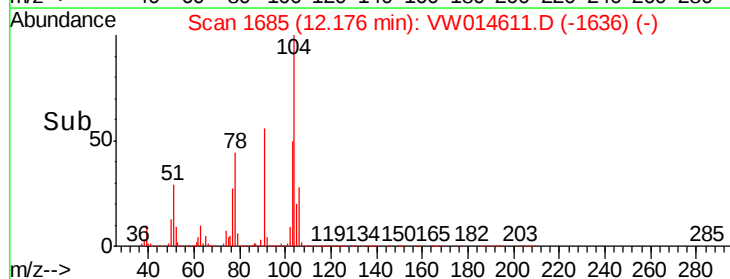
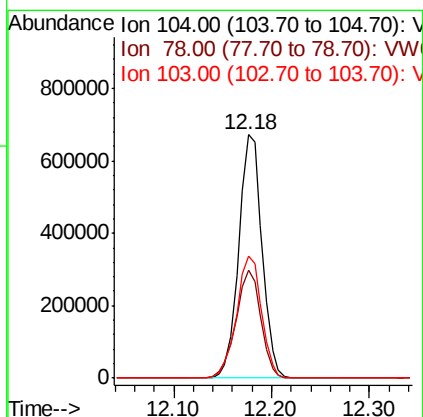
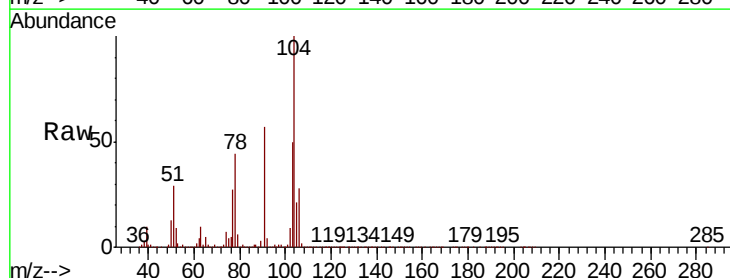
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 649011
Ion Ratio Lower Upper
106 100
91 210.2 105.2 315.6



#70
Styrene
Concen: 55.225 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion:104 Resp: 1108580
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 54.0 43.7 65.5





#71

Bromoform

Concen: 55.354 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

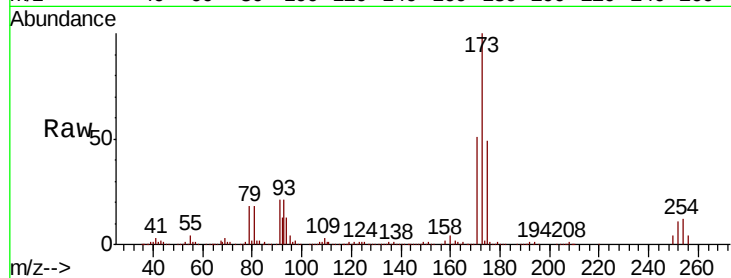
Tot Ion:173 Resp: 189368

Ion Ratio Lower Upper

173 100

175 49.5 24.5 73.5

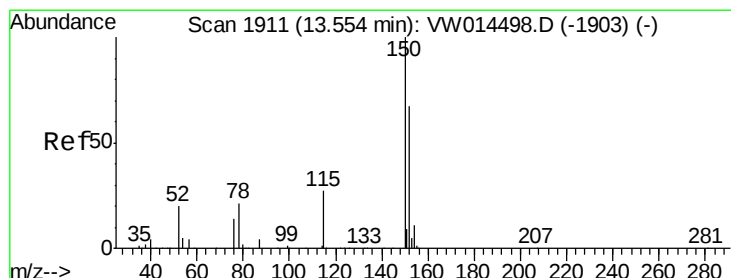
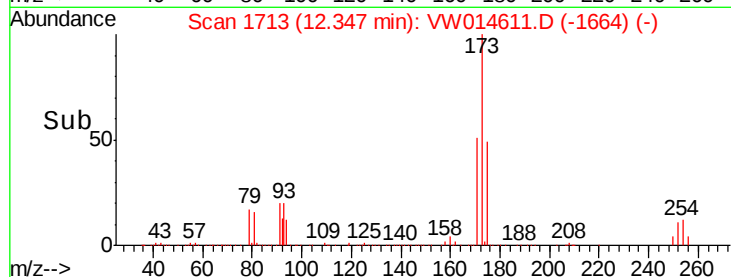
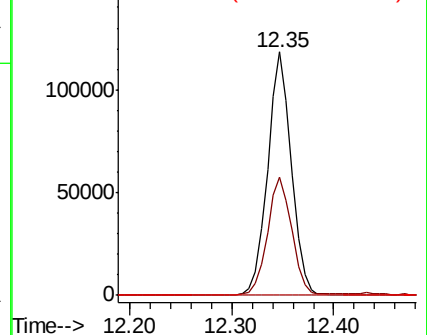
254 0.0 0.0 0.0#



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: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

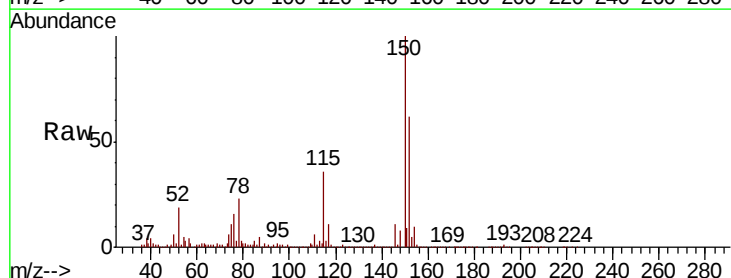
Tgt Ion:152 Resp: 435454

Ion Ratio Lower Upper

152 100

115 56.5 27.7 83.1

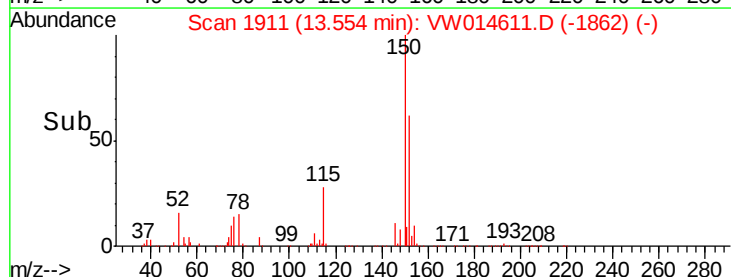
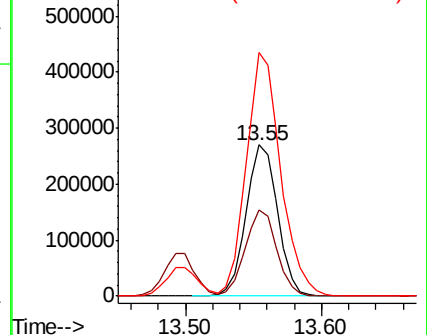
150 175.6 0.0 343.4

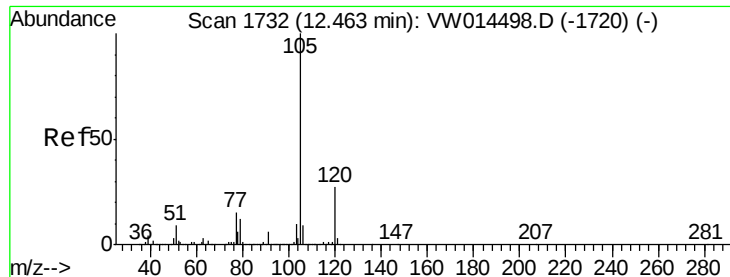


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.386 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

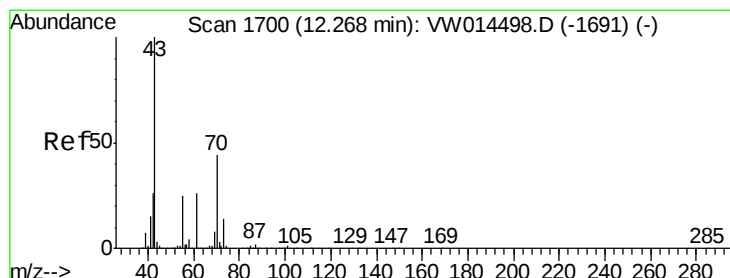
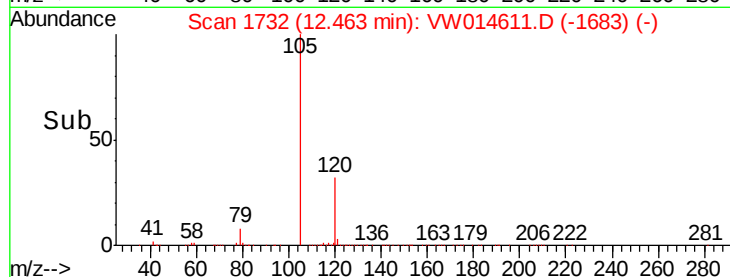
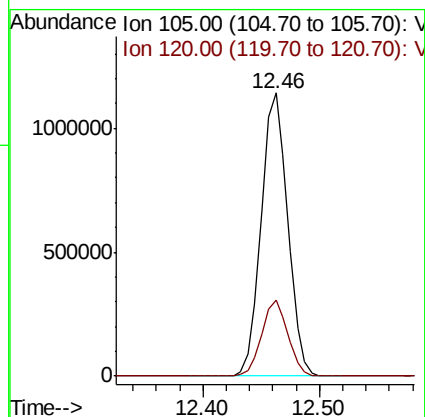
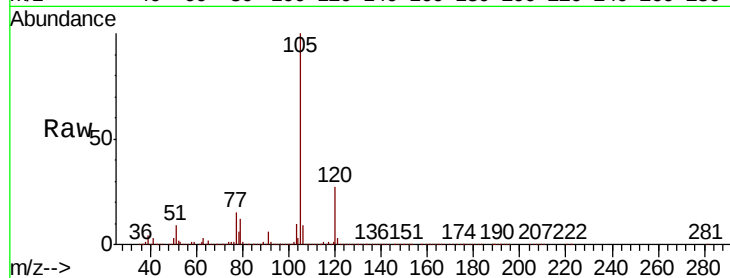
VSTDCCC050EC

Tot Ion:105 Resp: 1801624

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



#74

N-ethyl acetate

Concen: 61.486 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion: 43 Resp: 440498

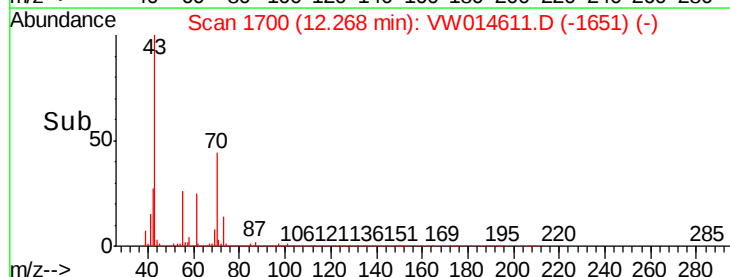
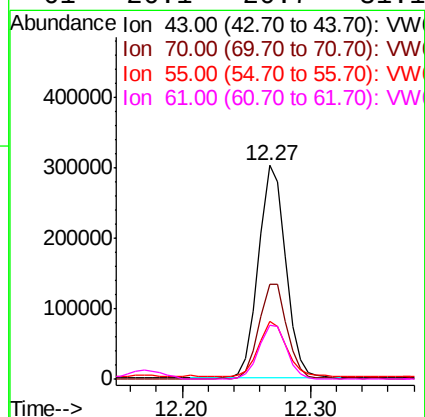
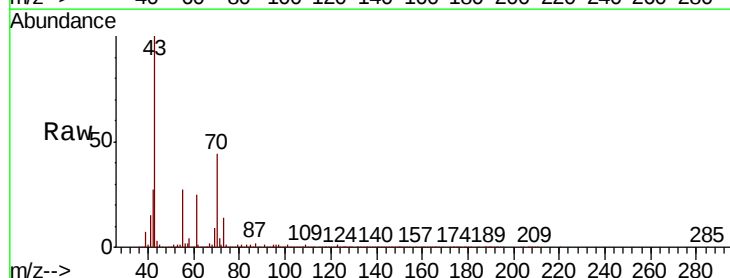
Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 26.4 20.9 31.3

61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.269 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

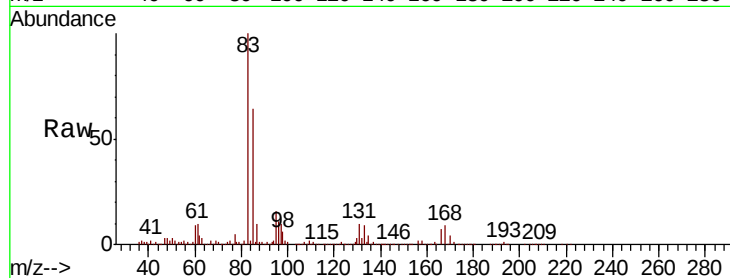
Tot Ion: 83 Resp: 324510

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

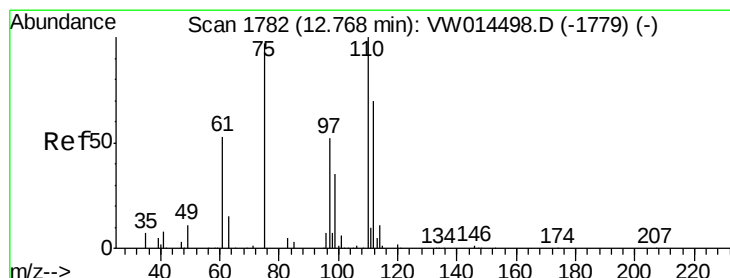
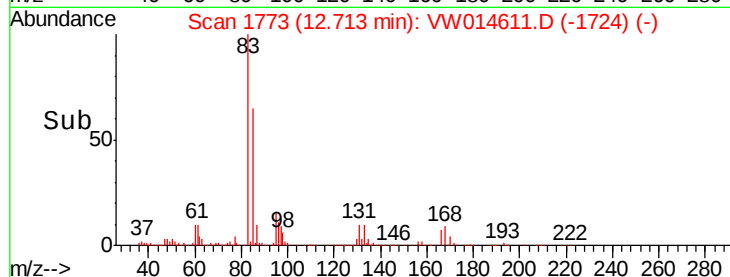
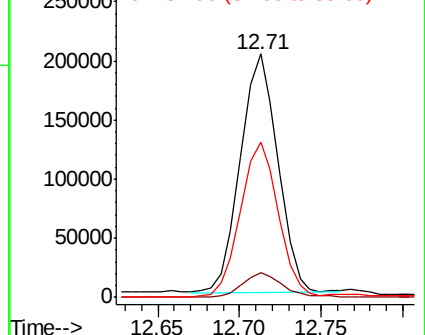
85 65.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 101.999 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014611.D

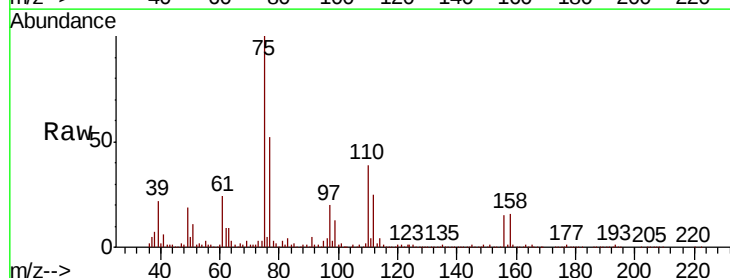
Acq: 10 Jan 2020 20:21

Tgt Ion: 75 Resp: 419944

Ion Ratio Lower Upper

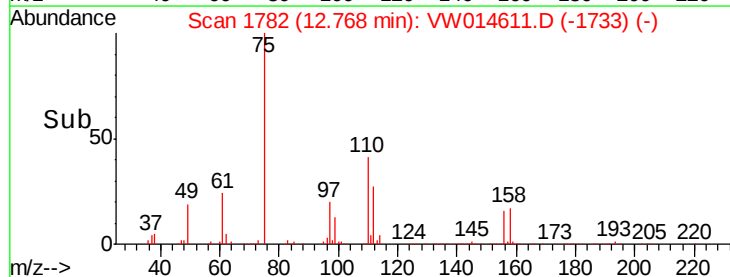
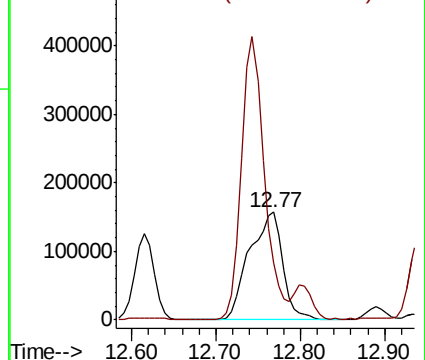
75 100

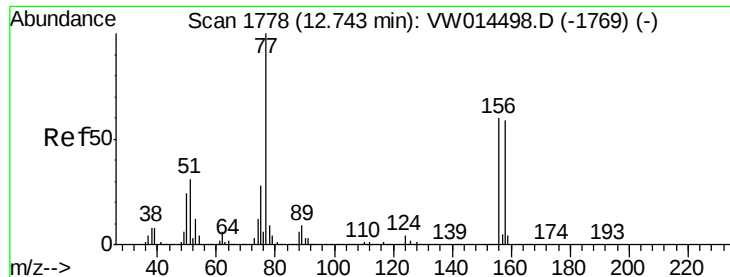
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.147 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

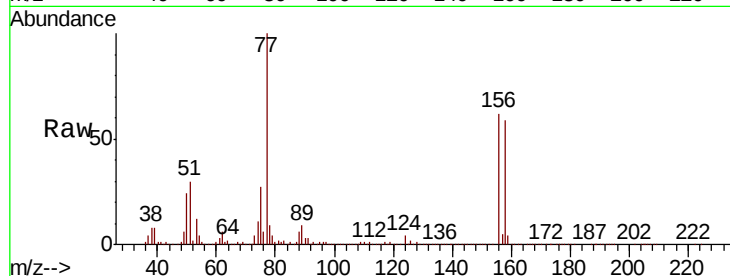
Tot Ion:156 Resp: 409245

Ion Ratio Lower Upper

156 100

77 184.4 92.3 277.1

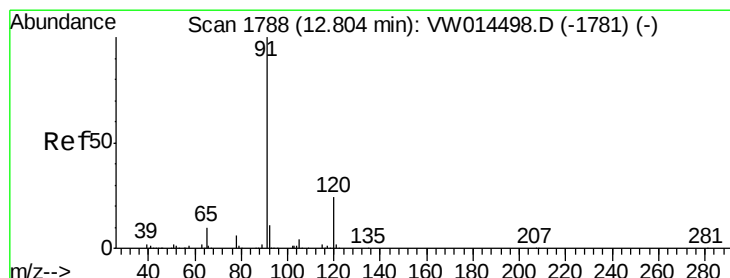
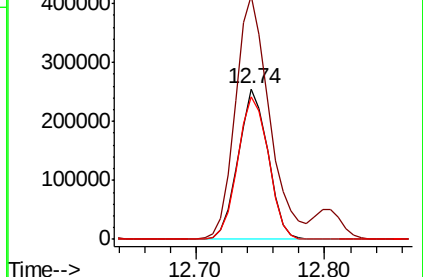
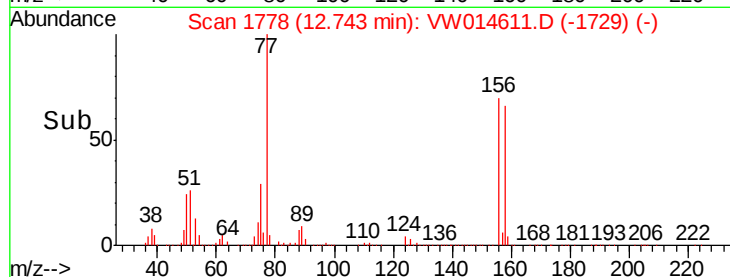
158 97.8 48.6 145.9



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: 55.822 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014611.D

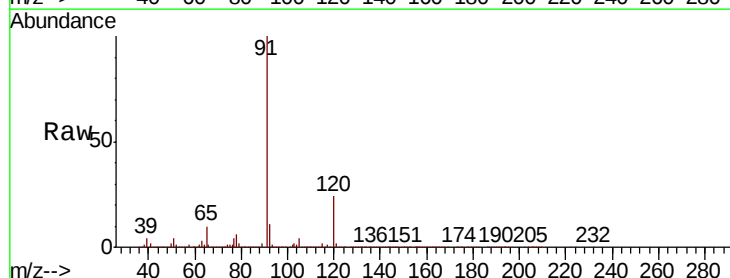
Acq: 10 Jan 2020 20:21

Tgt Ion: 91 Resp: 2097311

Ion Ratio Lower Upper

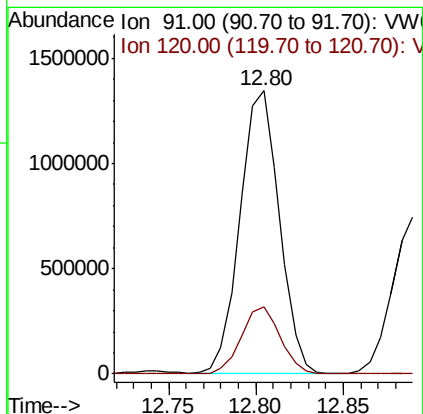
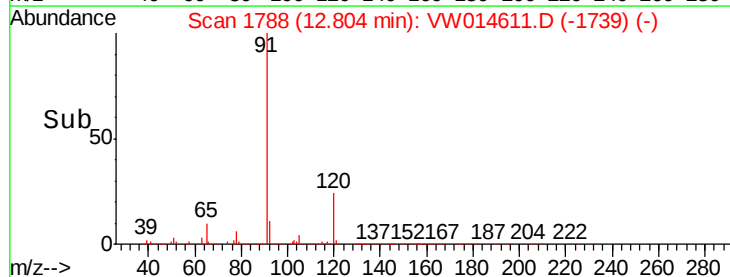
91 100

120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.779 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

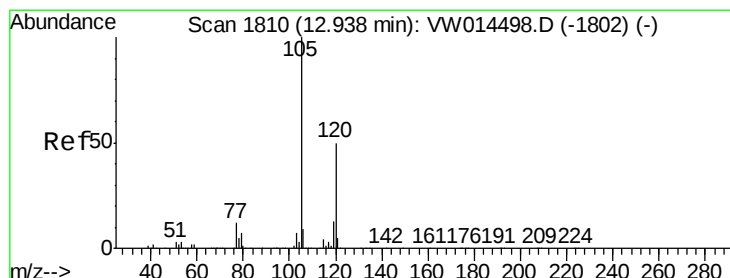
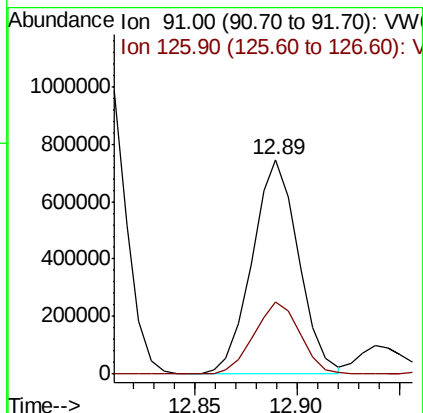
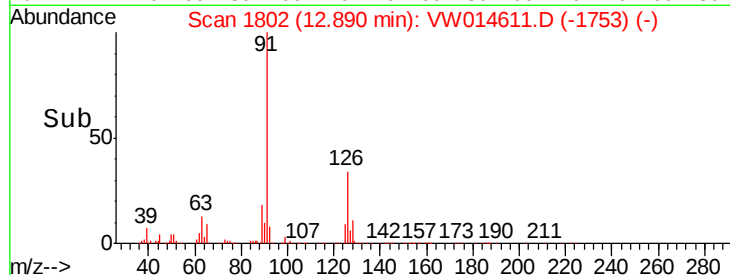
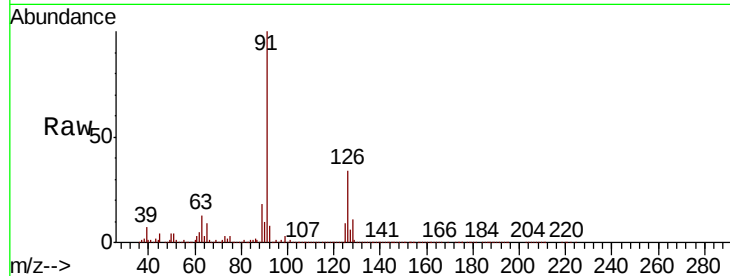
VSTDCCC050EC

Tot Ion: 91 Resp: 1171238

Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 55.837 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014611.D

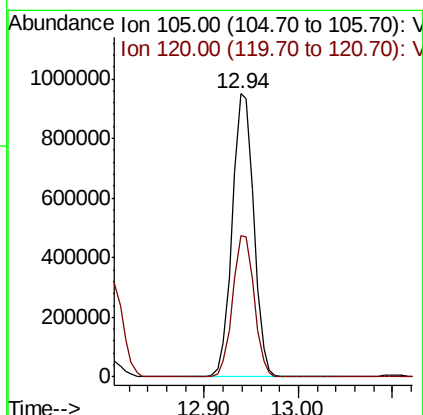
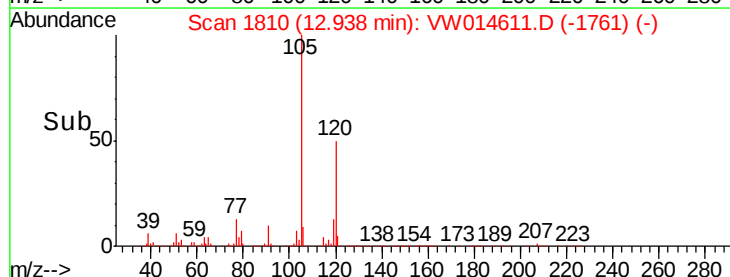
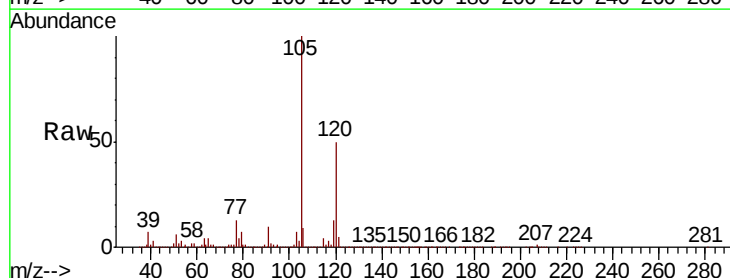
Acq: 10 Jan 2020 20:21

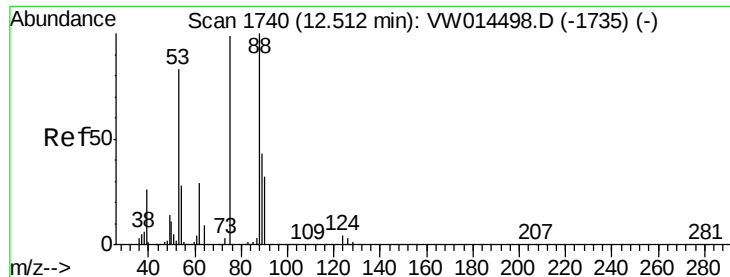
Tgt Ion:105 Resp: 1497982

Ion Ratio Lower Upper

105 100

120 50.1 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.769 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

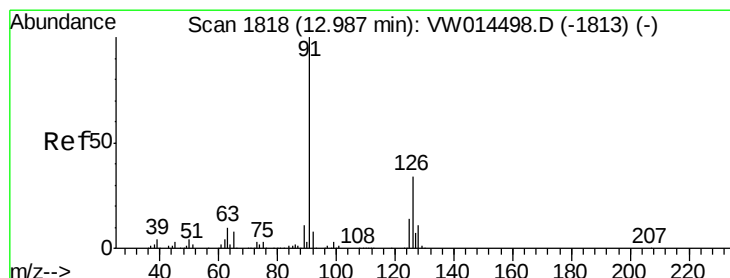
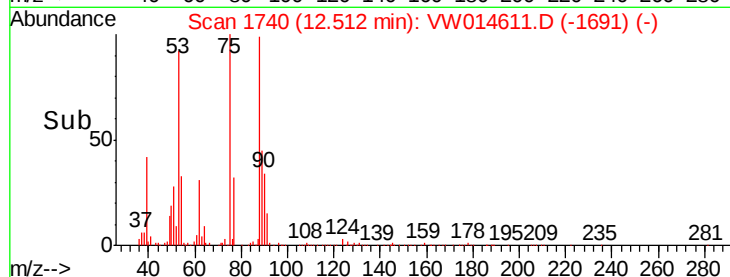
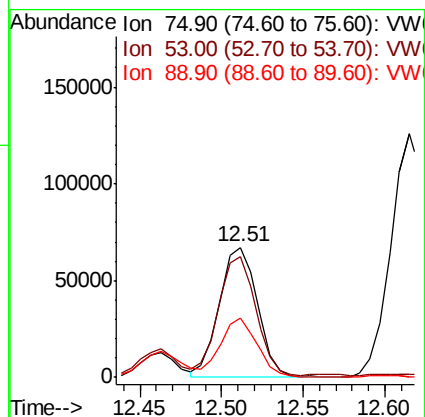
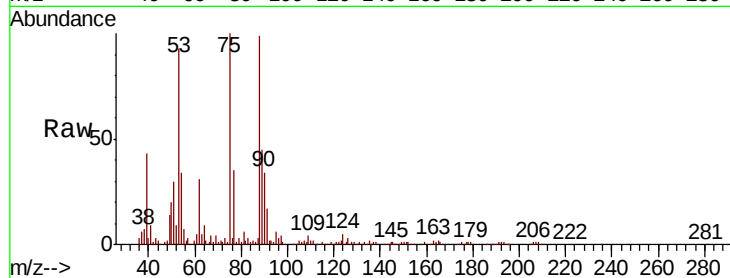
Tot Ion: 75 Resp: 108598

Ion Ratio Lower Upper

75 100

53 89.9 70.9 106.3

89 43.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 54.772 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014611.D

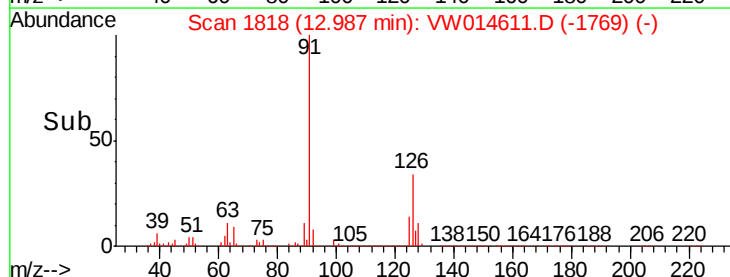
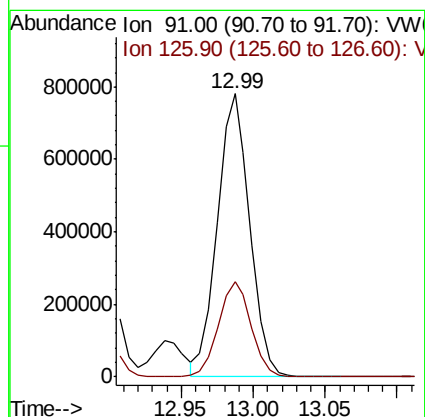
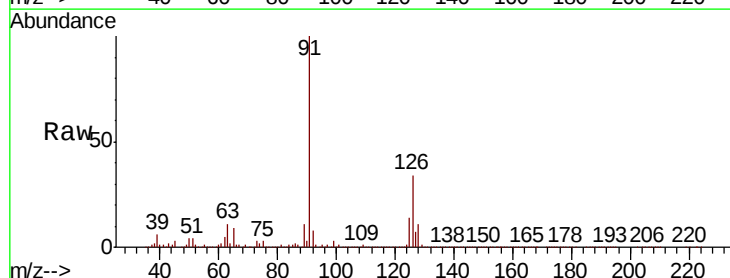
Acq: 10 Jan 2020 20:21

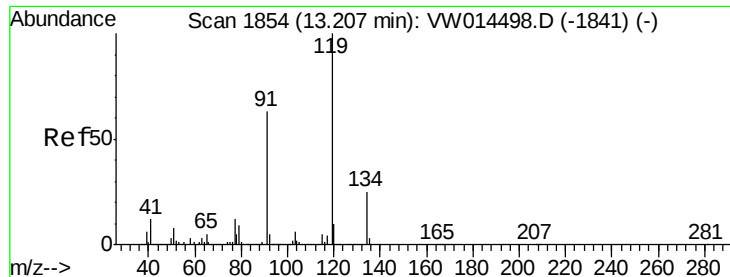
Tgt Ion: 91 Resp: 1216689

Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2

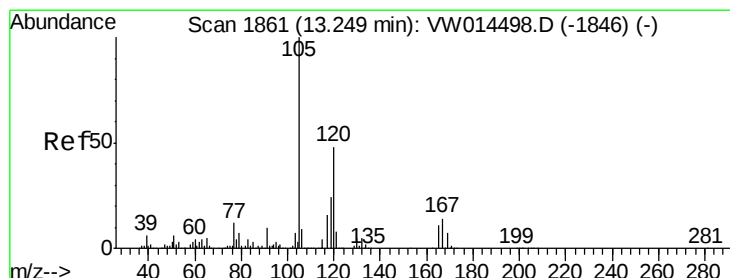
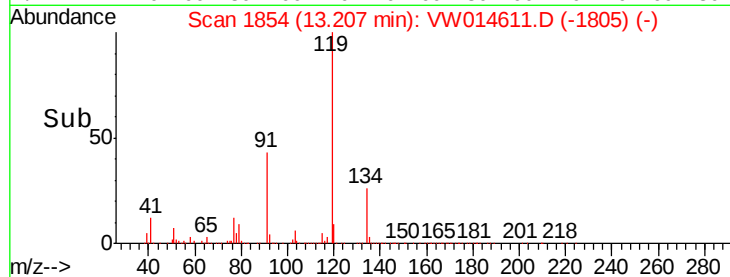
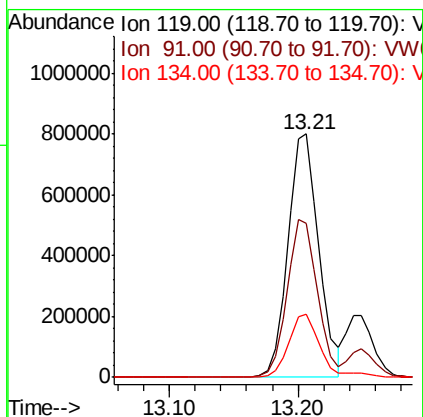
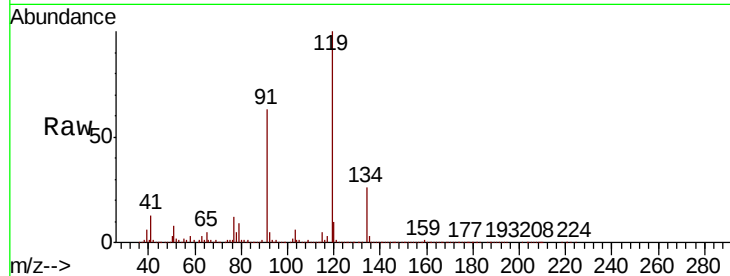




#83
tert-Butylbenzene
Concen: 56.544 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

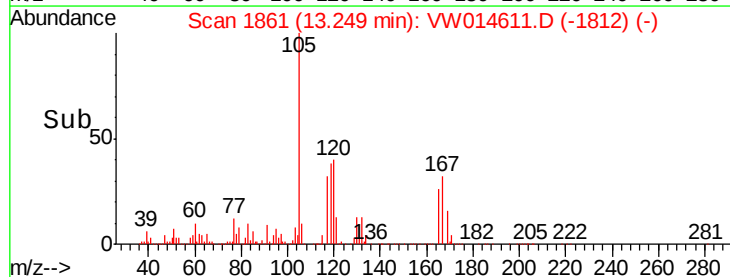
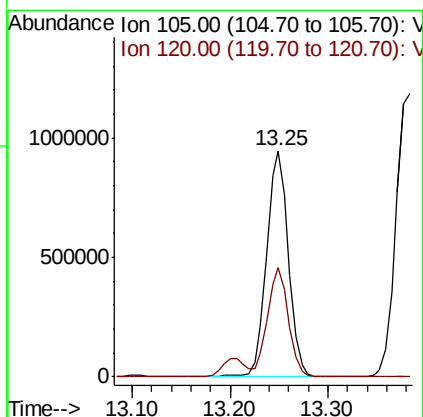
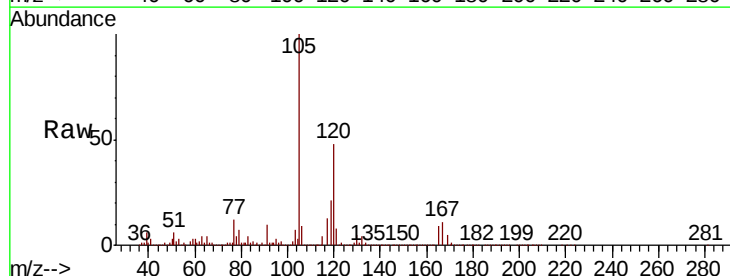
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

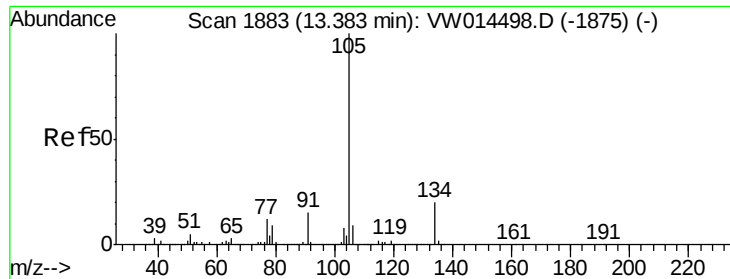
Tot Ion:119 Resp: 1328122
Ion Ratio Lower Upper
119 100
91 63.3 31.1 93.3
134 26.7 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 55.113 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion:105 Resp: 1471355
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0

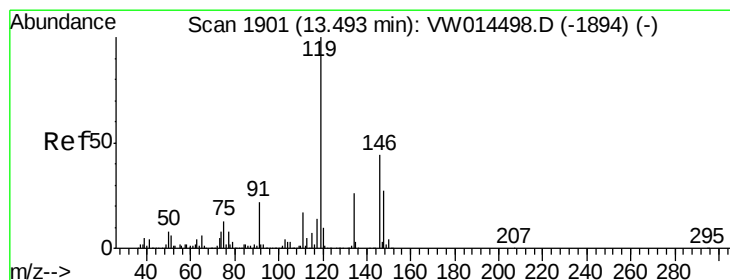
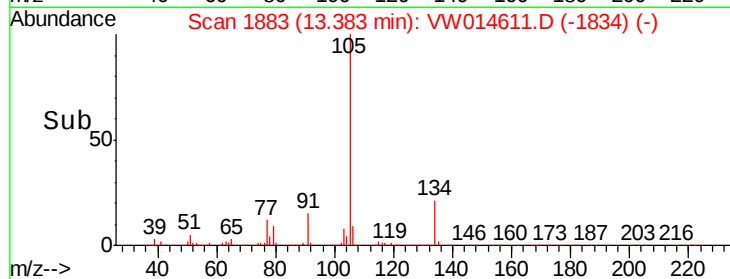
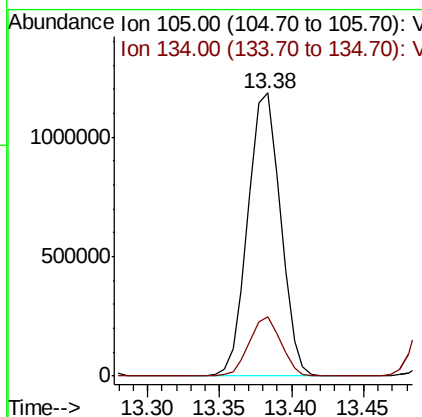
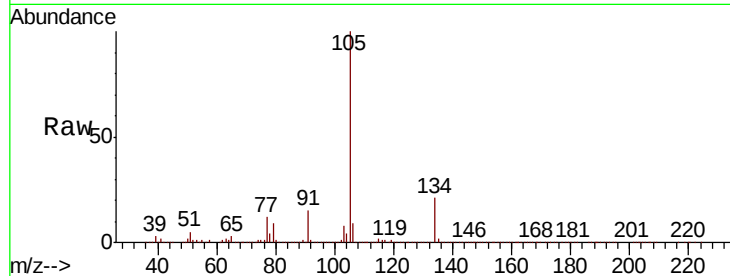




#85
 sec-Butylbenzene
 Concen: 57.187 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

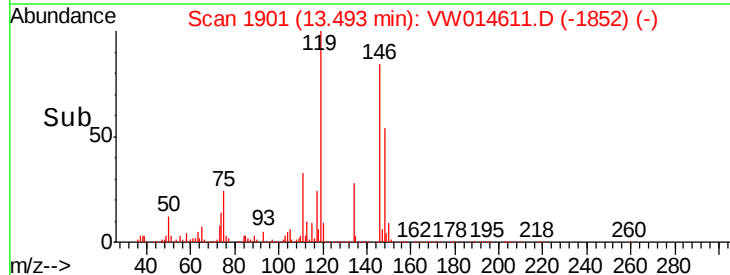
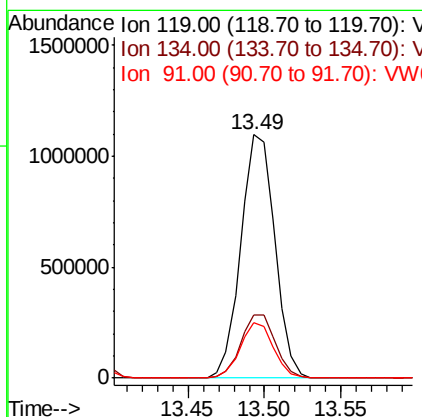
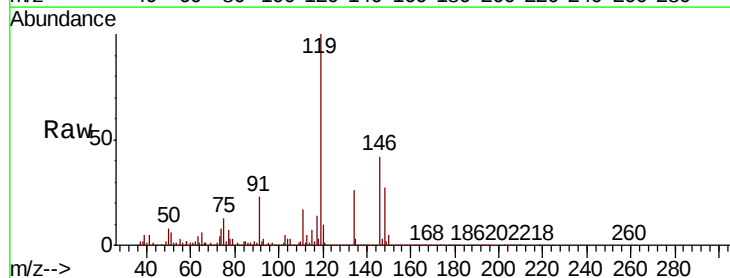
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

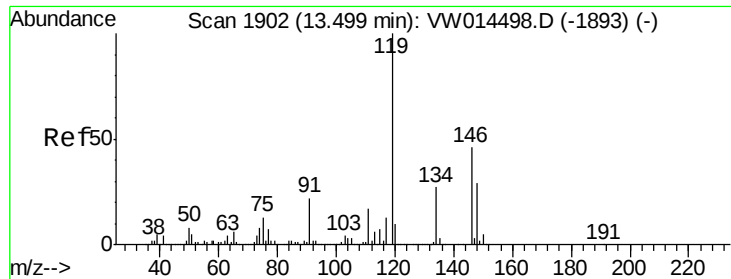
Tot Ion:105 Resp: 1859273
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 57.065 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion:119 Resp: 1691079
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 55.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

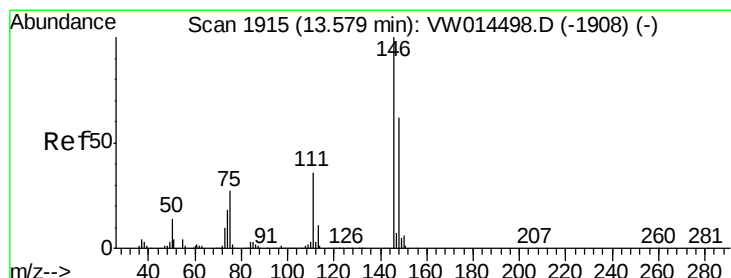
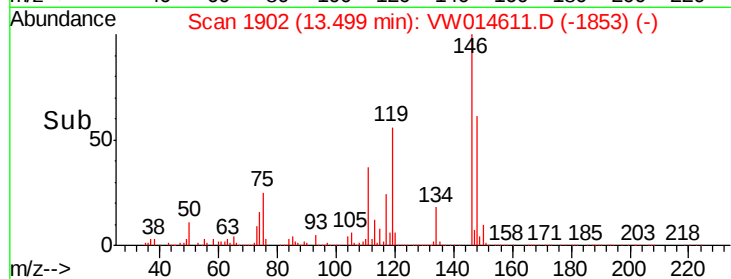
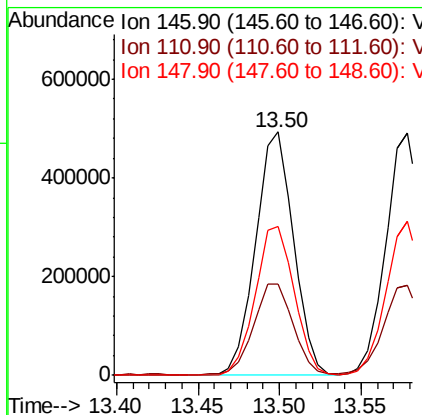
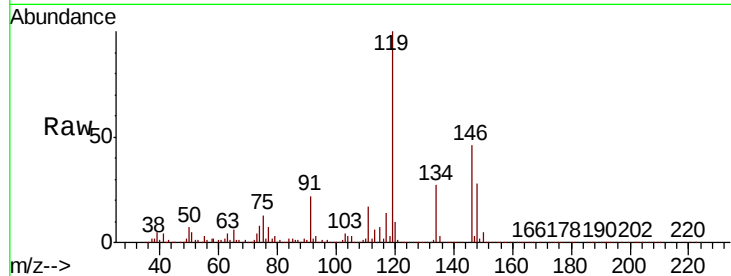
Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 794320

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	62.8	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 54.863 ug/l

RT: 13.58 min Scan# 1915

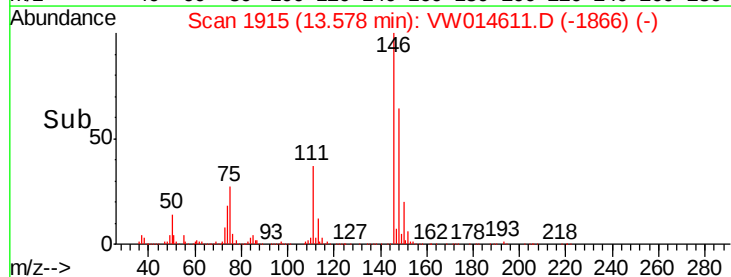
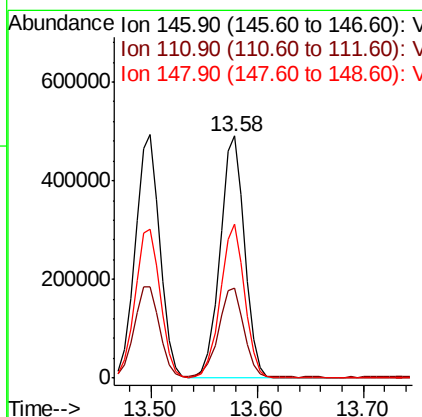
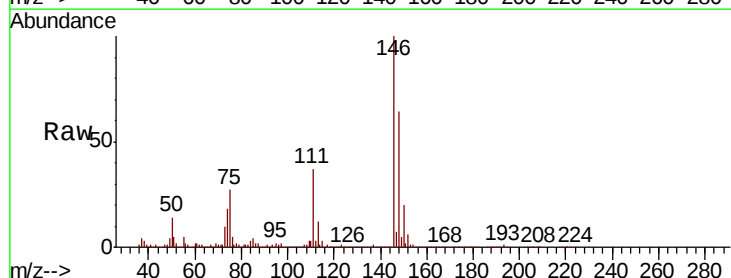
Delta R.T. -0.00 min

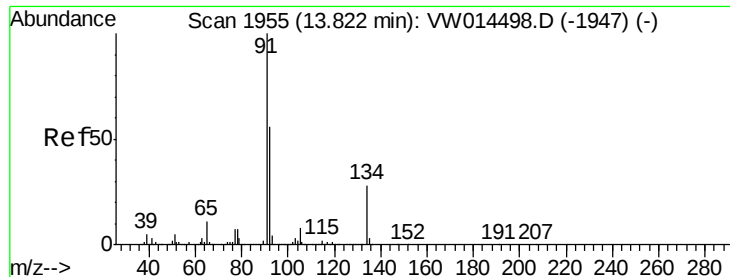
Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:146 Resp: 781615

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	63.2	31.7	95.1





#89

n-Butylbenzene

Concen: 57.762 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

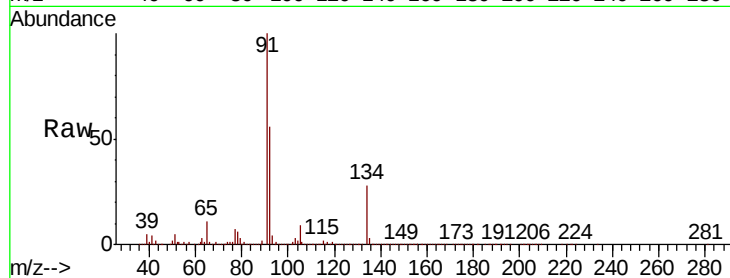
Tot Ion: 91 Resp: 1589574

Ion Ratio Lower Upper

91 100

92 55.5 27.5 82.5

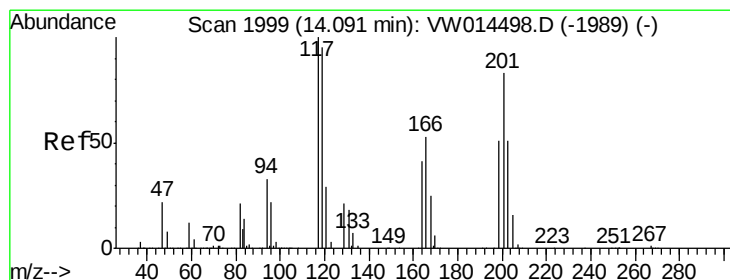
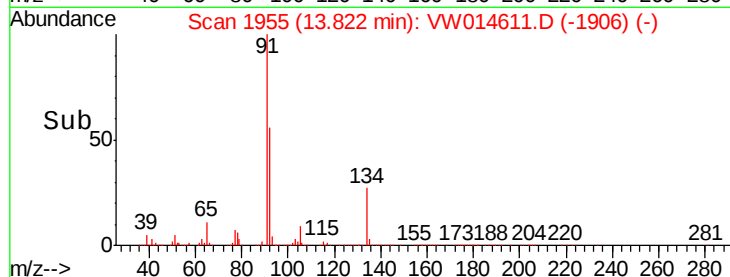
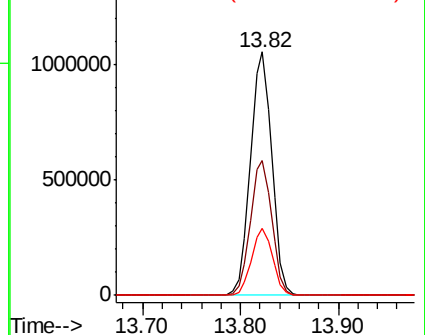
134 27.3 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.776 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014611.D

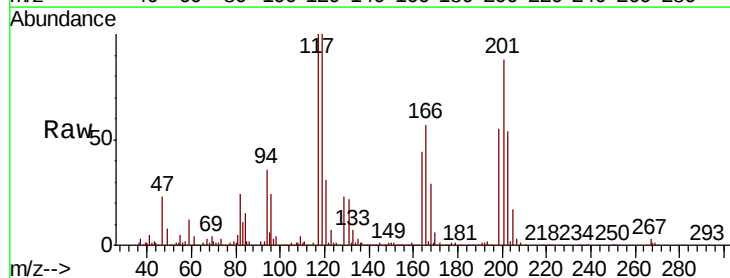
Acq: 10 Jan 2020 20:21

Tgt Ion: 117 Resp: 283570

Ion Ratio Lower Upper

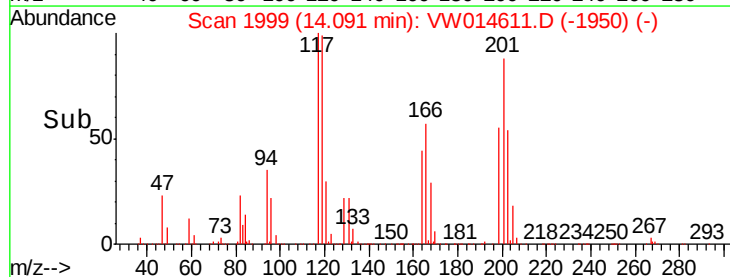
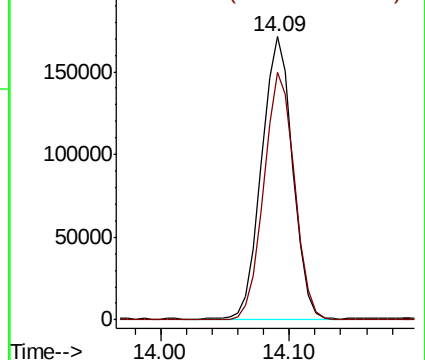
117 100

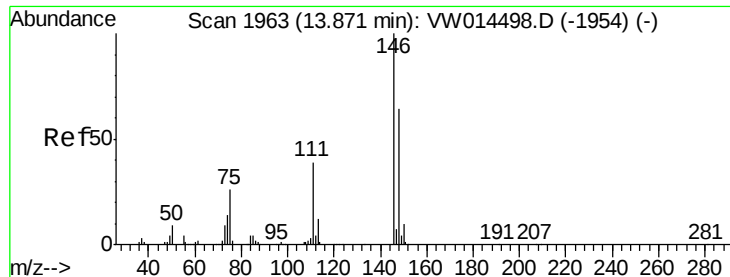
201 87.3 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

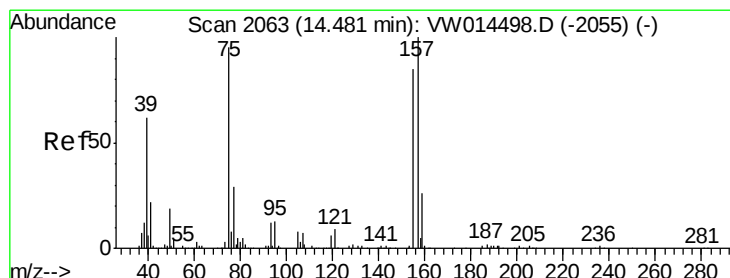
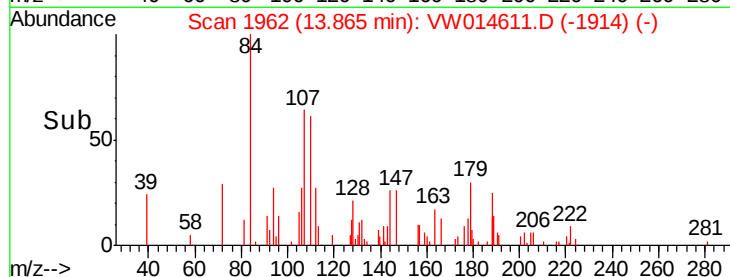
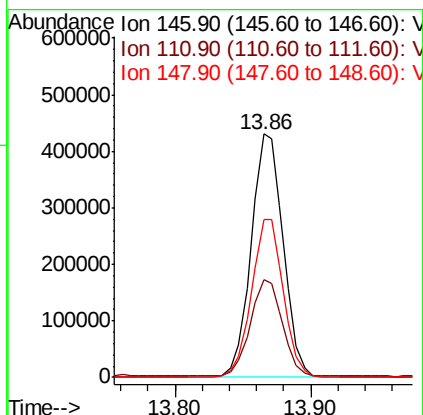
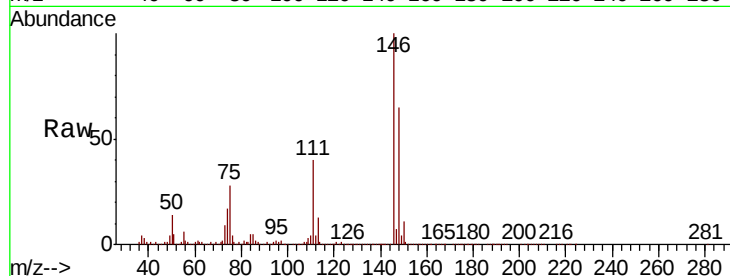




#91
 1,2-Dichlorobenzene
 Concen: 55.866 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

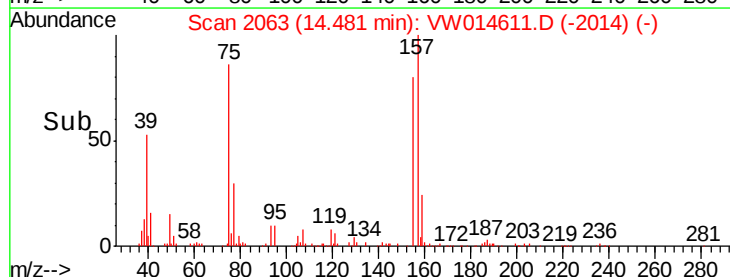
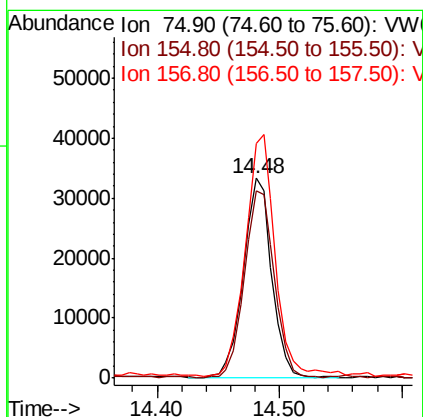
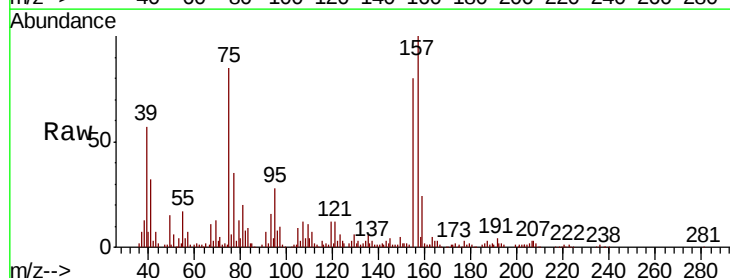
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

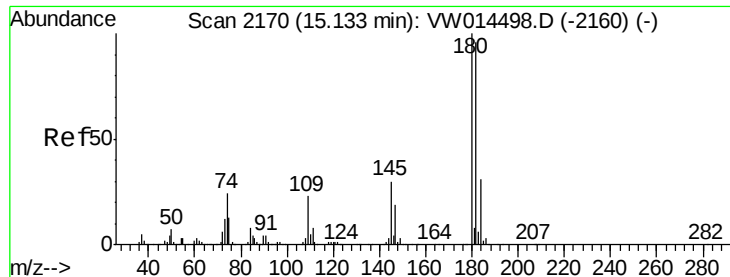
Tot Ion:146	Resp:	708567
Ion Ratio	Lower	Upper
146	100	
111	39.7	20.4 61.3
148	64.8	32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.464 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion: 75	Resp:	53393
Ion Ratio	Lower	Upper
75	100	
155	98.0	45.8 137.4
157	128.6	58.1 174.2

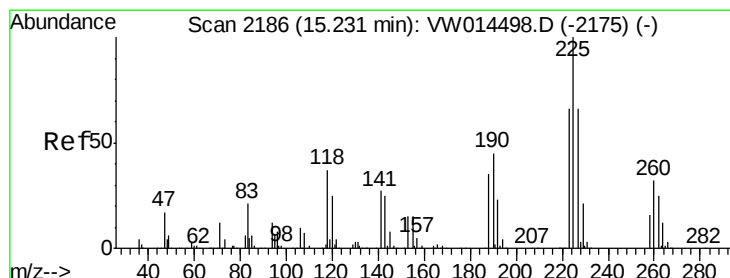
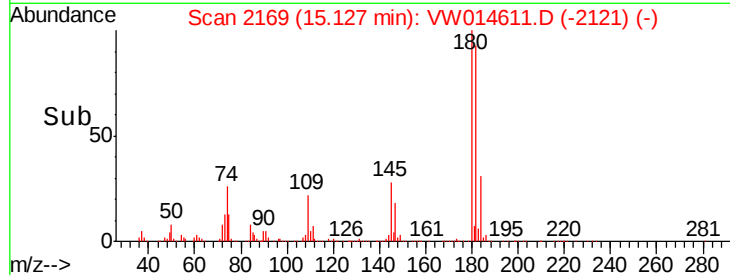
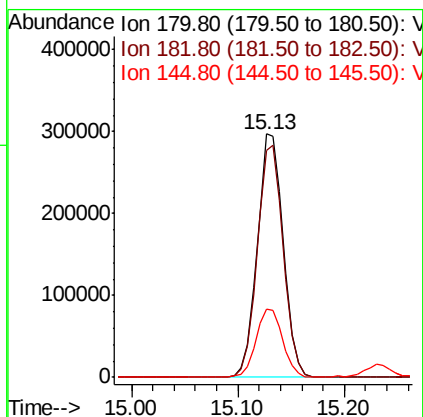
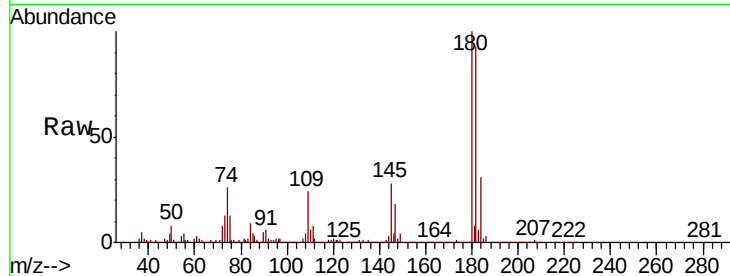




#93
 1,2,4-Trichlorobenzene
 Concen: 59.225 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

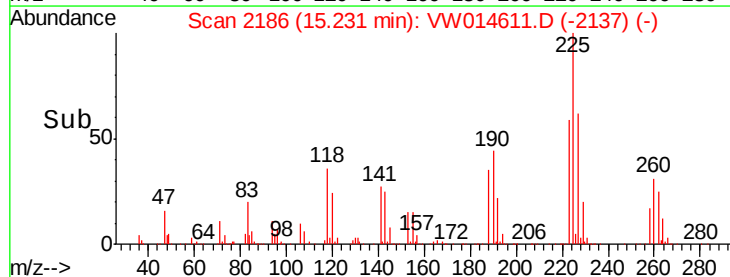
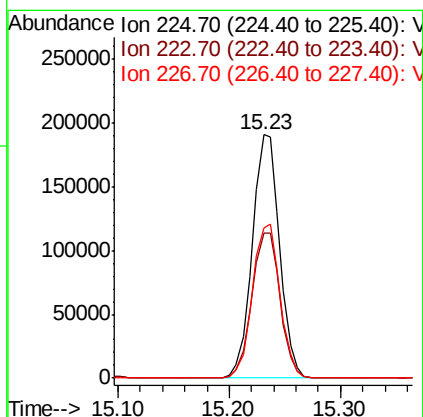
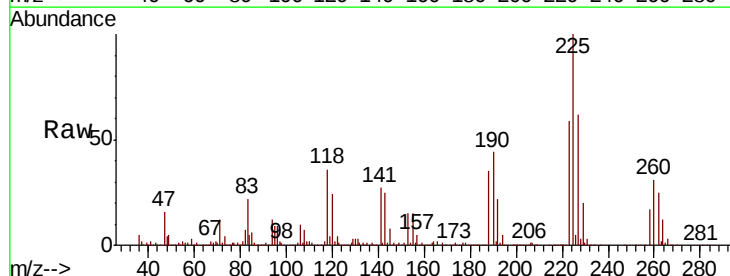
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

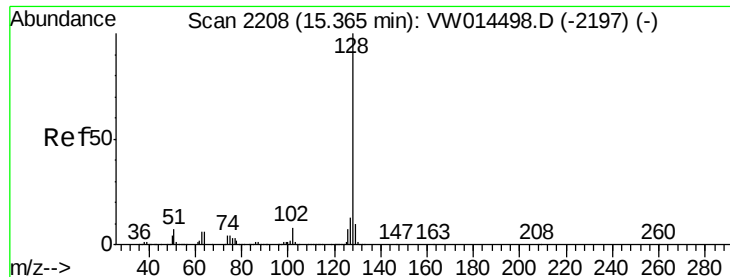
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	28.5	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 56.751 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.4	97.2
227	63.8	32.6	97.8

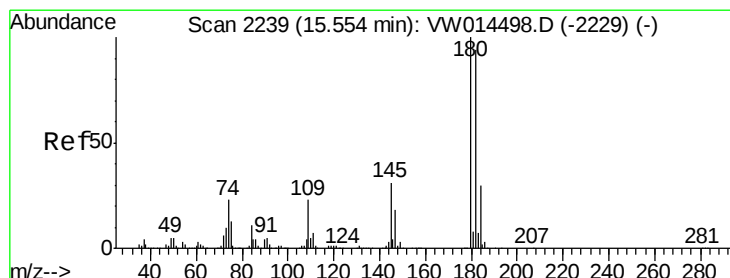
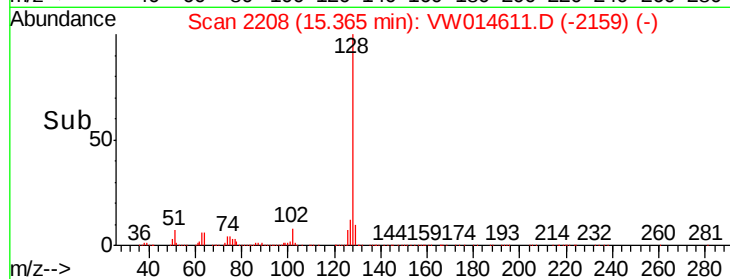
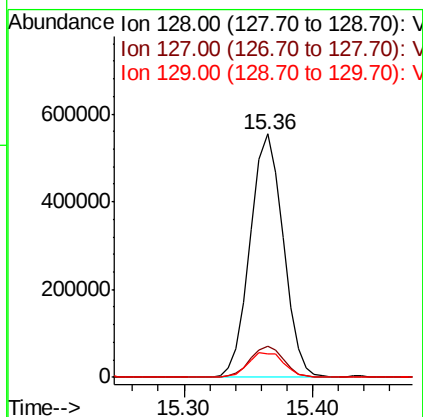
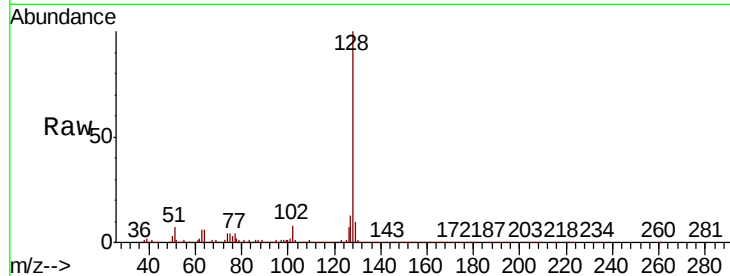




#95
Naphthalene
Concen: 67.095 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 980085
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 59.526 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion:180 Resp: 444412
Ion Ratio Lower Upper
180 100
182 95.5 47.4 142.2
145 31.0 15.5 46.5

