

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011320\
 Data File : VW014616.D
 Acq On : 13 Jan 2020 11:39
 Operator : SY/VA
 Sample : VW0113SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

Quant Time: Jan 14 12:15:16 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	679071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1006199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	865921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	428430	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	300268	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	7.88	113	293004	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.32	98	1197783	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	403852	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	82684	21.565	ug/l	94
3) Chloromethane	2.21	50	102654	21.873	ug/l	99
4) Vinyl Chloride	2.35	62	152959	22.159	ug/l	100
5) Bromomethane	2.74	94	92284	21.642	ug/l	95
6) Chloroethane	2.92	64	86272	21.925	ug/l	99
7) Trichlorofluoromethane	3.25	101	72673	21.042	ug/l	97
8) Diethyl Ether	3.68	74	75659	22.017	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	144133	22.335	ug/l	100
10) Methyl Iodide	4.27	142	202047	20.751	ug/l	99
11) Tert butyl alcohol	5.16	59	60079	119.246	ug/l	100
12) 1,1-Dichloroethene	4.03	96	148489	21.973	ug/l	94
13) Acrolein	3.88	56	54611	105.385	ug/l	99
14) Allyl chloride	4.66	41	224059	21.697	ug/l	99
15) Acrylonitrile	5.36	53	187852	119.595	ug/l	99
16) Acetone	4.12	43	190247	113.480	ug/l	93
17) Carbon Disulfide	4.38	76	427460	20.987	ug/l	98
18) Methyl Acetate	4.67	43	96393	23.807	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	198523	23.666	ug/l	97
20) Methylene Chloride	4.91	84	171493	22.836	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	156019	21.743	ug/l	98
22) Diisopropyl ether	6.31	45	430456	22.270	ug/l	98
23) Vinyl Acetate	6.25	43	1323674	113.404	ug/l	100
24) 1,1-Dichloroethane	6.21	63	264581	21.700	ug/l	99
25) 2-Butanone	7.16	43	258263	120.041	ug/l	97
26) 2,2-Dichloropropane	7.16	77	153561	22.748	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	162317	21.528	ug/l	97
28) Bromochloromethane	7.51	49	94610	19.792	ug/l	99
29) Tetrahydrofuran	7.52	42	158446	118.878	ug/l	100
30) Chloroform	7.67	83	251288	22.039	ug/l	98
31) Cyclohexane	7.95	56	271204	21.403	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	203156	22.154	ug/l	100
36) 1,1-Dichloropropene	8.08	75	215153	22.180	ug/l	99
37) Ethyl Acetate	7.24	43	106173	24.134	ug/l	99
38) Carbon Tetrachloride	8.07	117	191914	22.805	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	273115	21.940	ug/l	99
40) Benzene	8.32	78	612076	22.302	ug/l	100
41) Methacrylonitrile	7.48	41	55256	22.532	ug/l	97
42) 1,2-Dichloroethane	8.40	62	161145	22.625	ug/l	99
43) Isopropyl Acetate	8.42	43	185590	23.231	ug/l	100
44) Trichloroethene	9.09	130	163663	22.038	ug/l	97
45) 1,2-Dichloropropane	9.37	63	149702	22.228	ug/l	99
46) Dibromomethane	9.46	93	75816	22.803	ug/l	99
47) Bromodichloromethane	9.64	83	183074	22.303	ug/l	99
48) Methyl methacrylate	9.43	41	90212	23.129	ug/l	98
49) 1,4-Dioxane	9.44	88	30974	498.096	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	500952	120.753	ug/l	99
52) Toluene	10.38	92	386440	22.381	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	188953	22.233	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	228253	21.975	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	112493	23.167	ug/l	98
56) Ethyl methacrylate	10.65	69	144029	22.824	ug/l	99
57) 1,3-Dichloropropane	10.93	76	195534	22.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	206155	107.415	ug/l	100
59) 2-Hexanone	10.96	43	353157	123.536	ug/l	99
60) Dibromochloromethane	11.13	129	122017	22.271	ug/l	99
61) 1,2-Dibromoethane	11.23	107	105114	22.805	ug/l	99
64) Tetrachloroethene	10.86	164	140215	22.367	ug/l	99
65) Chlorobenzene	11.66	112	394874	22.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	132461	22.177	ug/l	99
67) Ethyl Benzene	11.73	91	712559	22.288	ug/l	100
68) m/p-Xylenes	11.84	106	545253	44.562	ug/l	99
69) o-Xylene	12.16	106	250771	22.187	ug/l	99
70) Styrene	12.18	104	429882	22.487	ug/l	99
71) Bromoform	12.35	173	76032	23.337	ug/l #	99
73) Isopropylbenzene	12.46	105	690885	21.977	ug/l	100
74) N-amyl acetate	12.27	43	158646	22.507	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	133814	23.583	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	168071	41.491	ug/l #	100
77) Bromobenzene	12.74	156	163130	22.343	ug/l	99
78) n-propylbenzene	12.80	91	830907	22.478	ug/l	99
79) 2-Chlorotoluene	12.89	91	462063	21.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	585408	22.179	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42275	23.253	ug/l	96
82) 4-Chlorotoluene	12.99	91	481152	22.015	ug/l	100
83) tert-Butylbenzene	13.21	119	510849	22.106	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	587610	22.371	ug/l	99
85) sec-Butylbenzene	13.38	105	716919	22.412	ug/l	100
86) p-Isopropyltoluene	13.49	119	659340	22.614	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	309498	21.799	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	308092	21.980	ug/l	99
89) n-Butylbenzene	13.82	91	601780	22.226	ug/l	99
90) Hexachloroethane	14.09	117	109292	21.457	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	277231	22.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20832	23.184	ug/l	97

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Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Quant Time: Jan 14 12:15:16 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

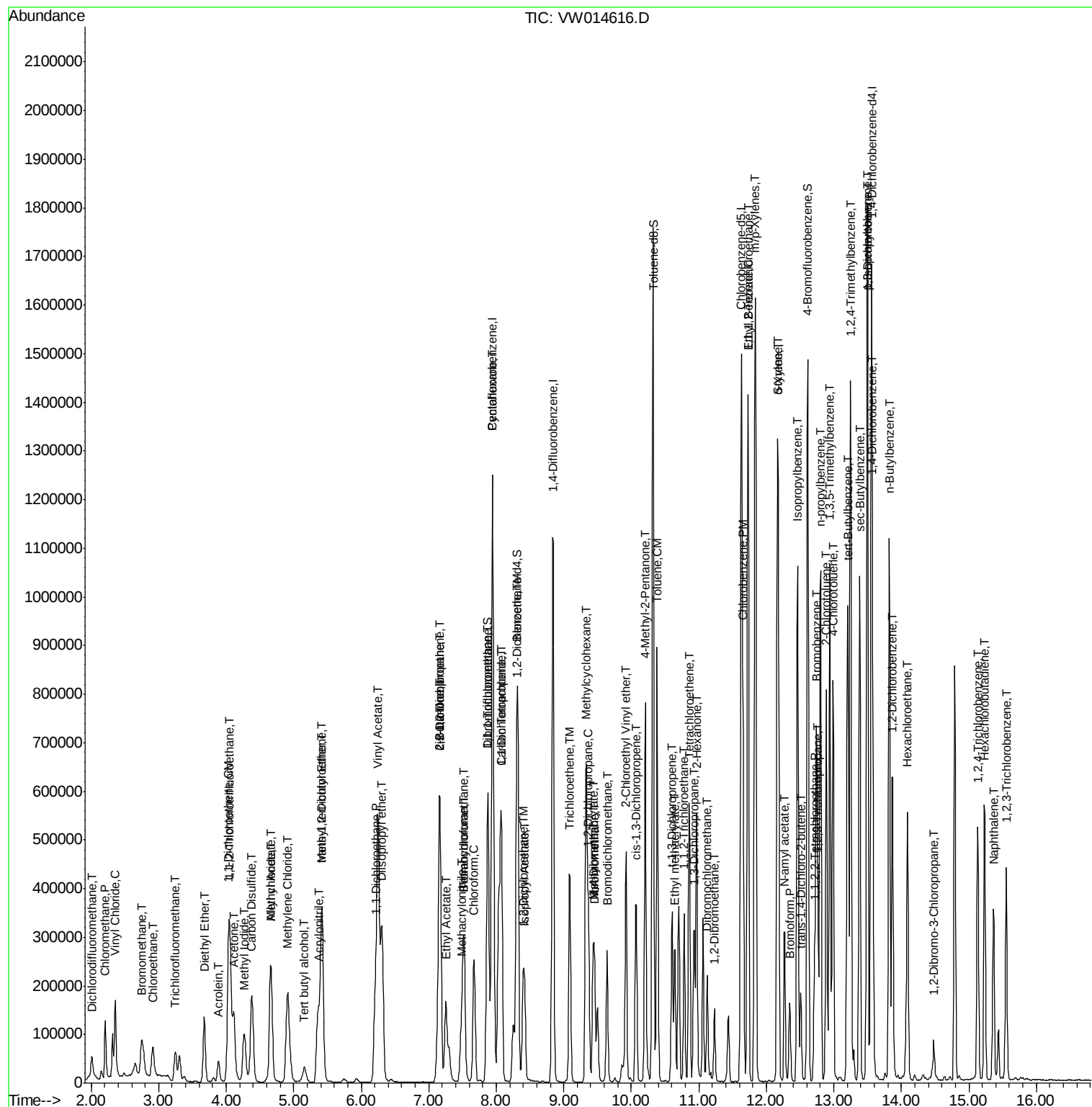
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	184907	21.942	ug/l	99
94) Hexachlorobutadiene	15.24	225	124530	22.051	ug/l	97
95) Naphthalene	15.36	128	320461	22.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	162206	22.083	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW011320\
Data File : VW014616.D
Acq On : 13 Jan 2020 11:39
Operator : SY/VA
Sample : VW0113SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
VW0113SBSD01

Quant Time: Jan 14 12:15:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

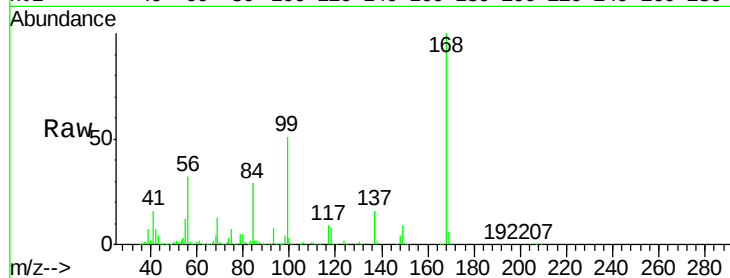
VW0113SBSD01

Tgt Ion:168 Resp: 679071

Ion Ratio Lower Upper

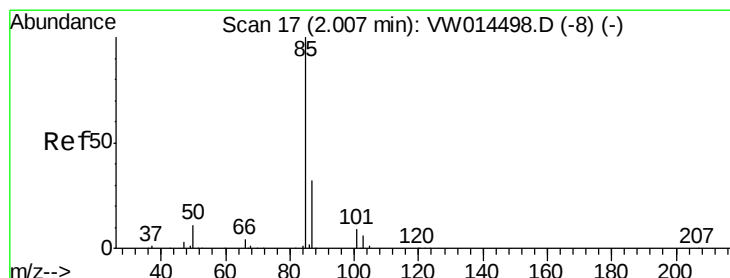
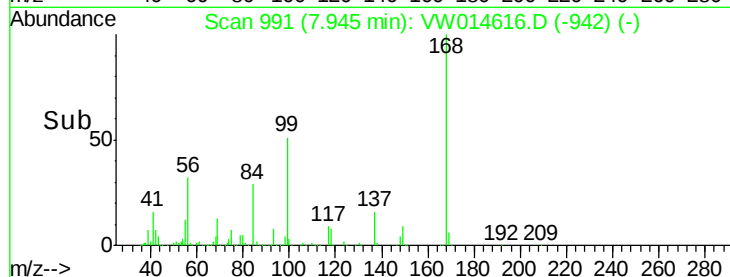
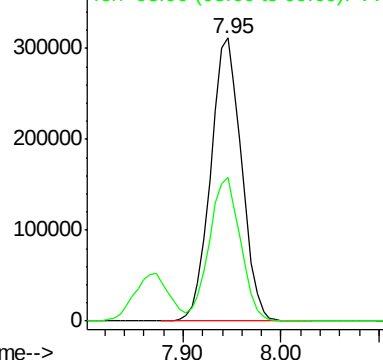
168 100

99 50.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.565 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014616.D

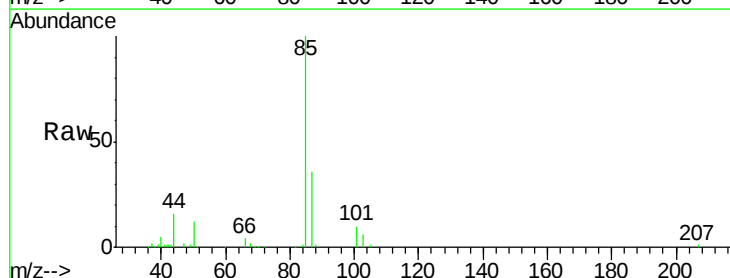
Acq: 13 Jan 2020 11:39

Tgt Ion: 85 Resp: 82684

Ion Ratio Lower Upper

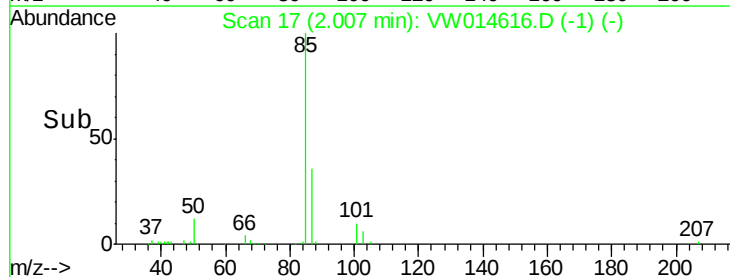
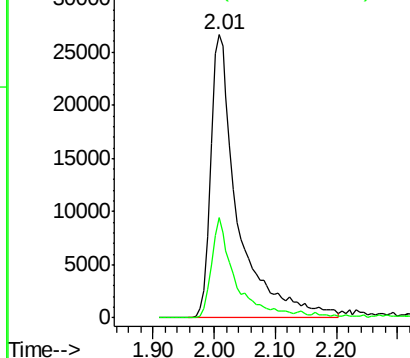
85 100

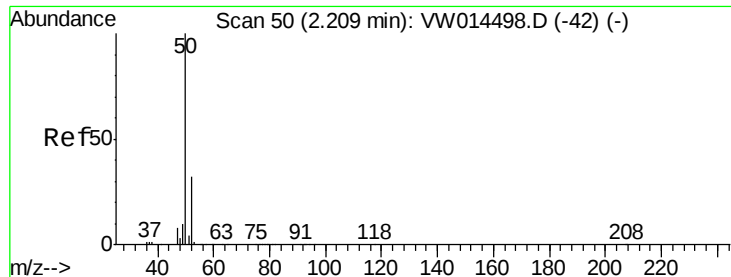
87 35.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.873 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

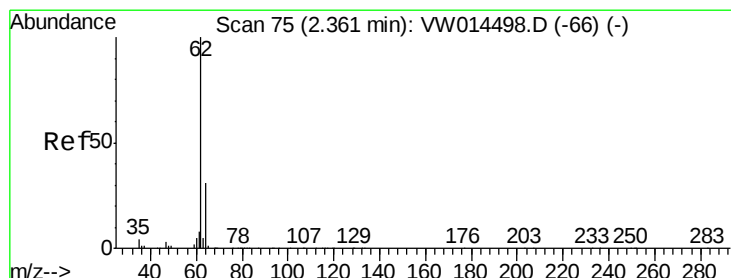
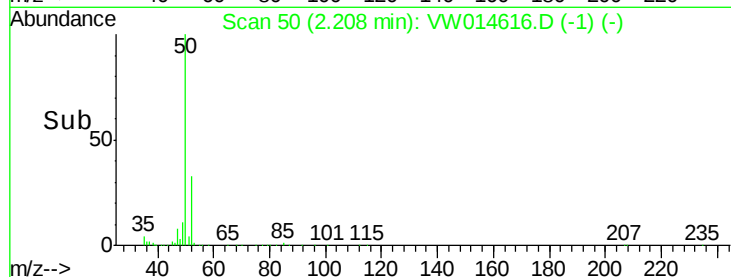
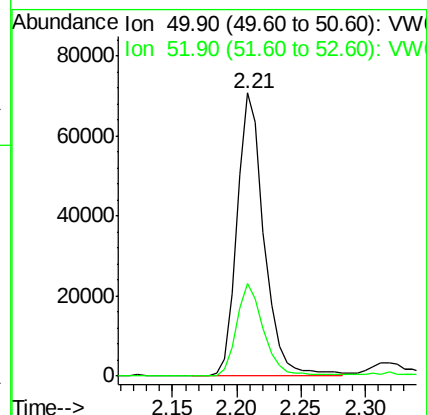
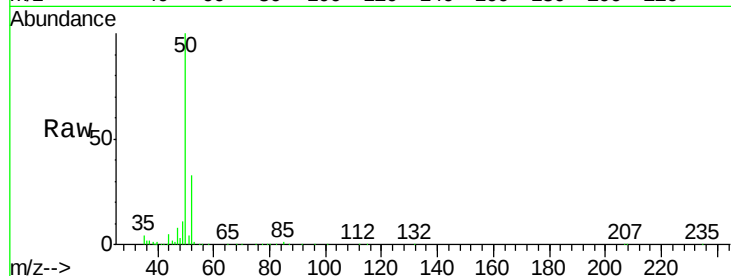
VW0113SBSD01

Tgt Ion: 50 Resp: 102654

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.8



#4

Vinyl Chloride

Concen: 22.159 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014616.D

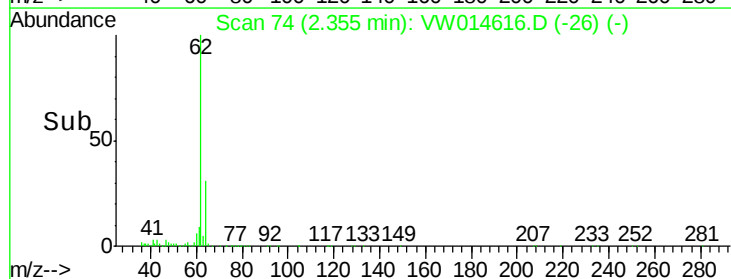
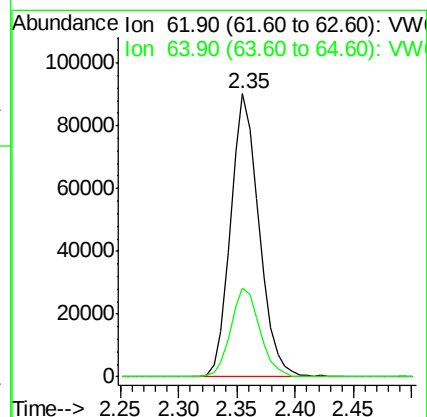
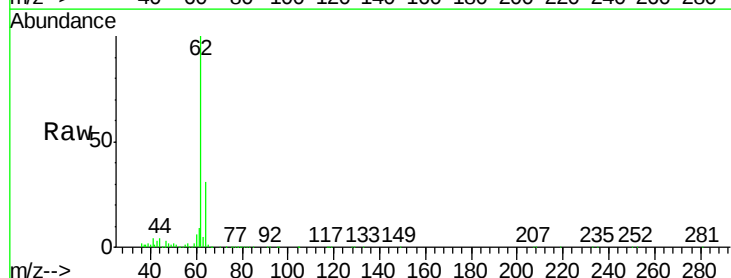
Acq: 13 Jan 2020 11:39

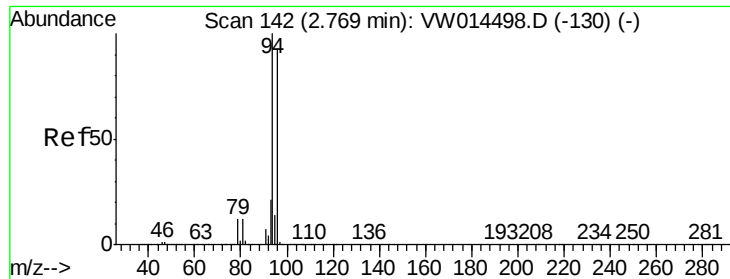
Tgt Ion: 62 Resp: 152959

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 21.642 ug/l

RT: 2.74 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

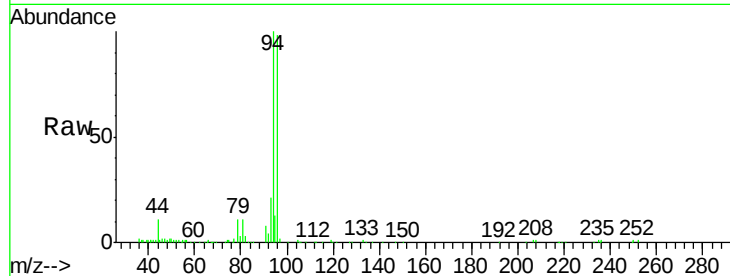
VW0113SBS01

Tgt Ion: 94 Resp: 92284

Ion Ratio Lower Upper

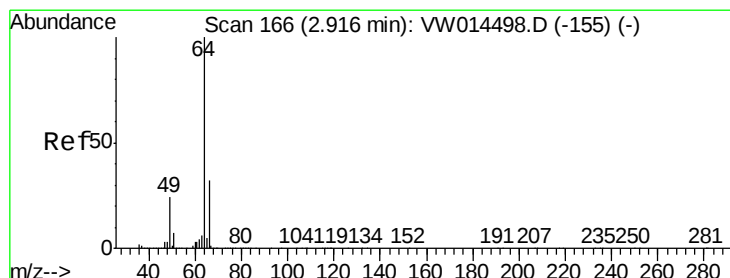
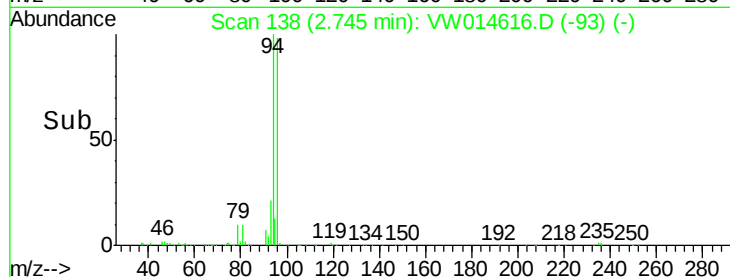
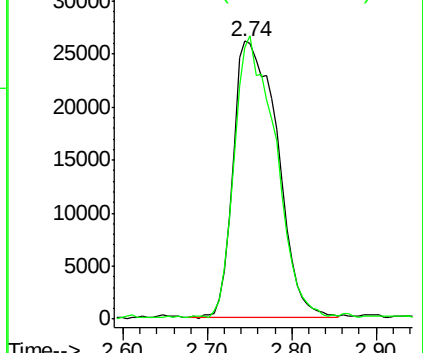
94 100

96 98.0 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.925 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014616.D

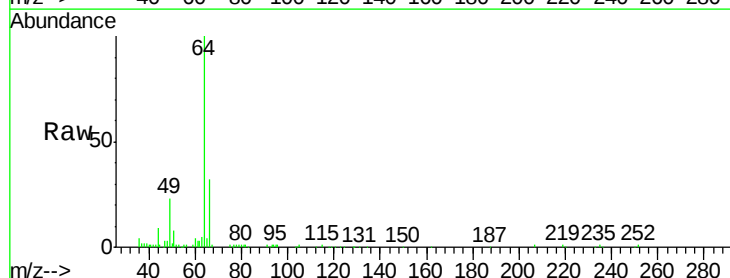
Acq: 13 Jan 2020 11:39

Tgt Ion: 64 Resp: 86272

Ion Ratio Lower Upper

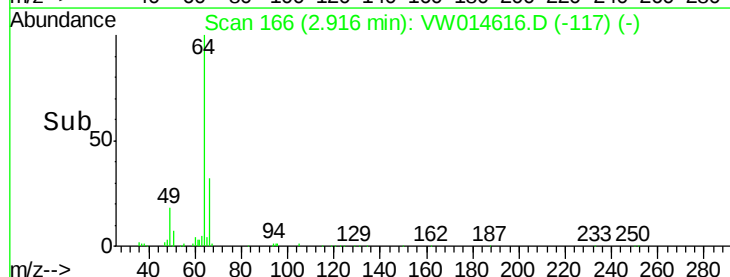
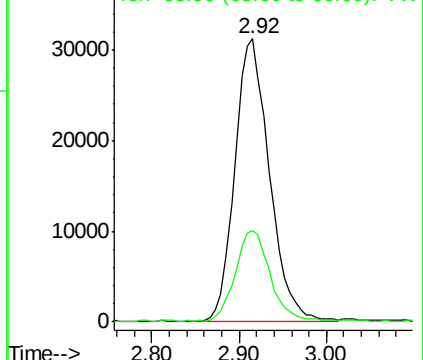
64 100

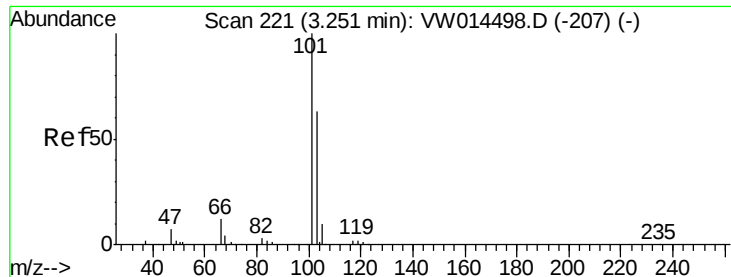
66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



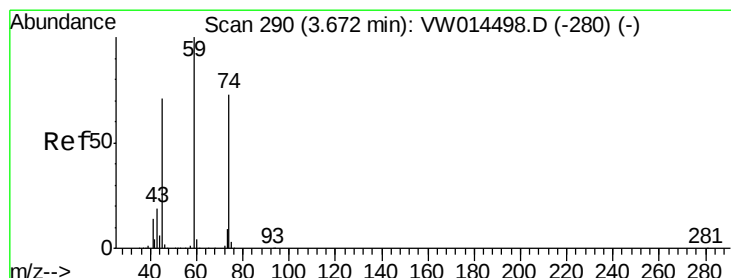
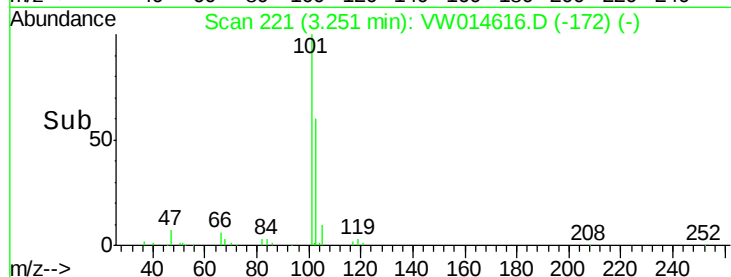
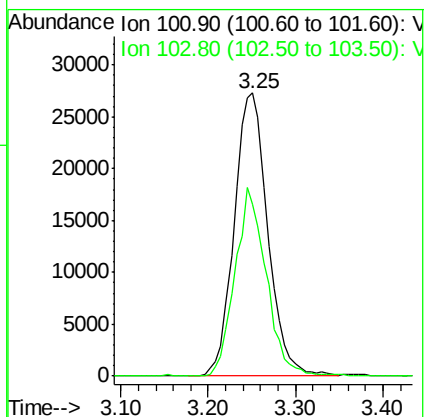
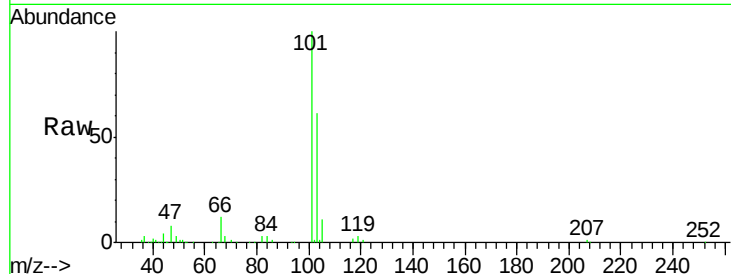


#7

Trichlorofluoromethane
Concen: 21.042 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

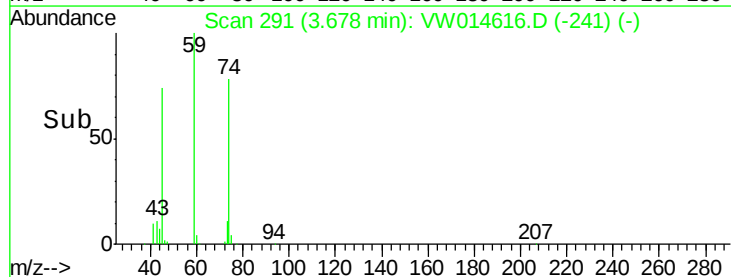
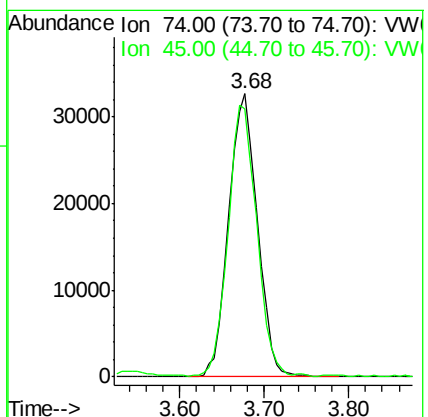
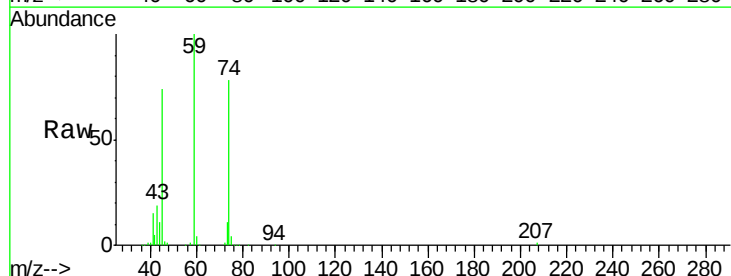
Tgt Ion:101 Resp: 72673
Ion Ratio Lower Upper
101 100
103 60.6 50.1 75.1



#8

Diethyl Ether
Concen: 22.017 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion: 74 Resp: 75659
Ion Ratio Lower Upper
74 100
45 95.4 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.335 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

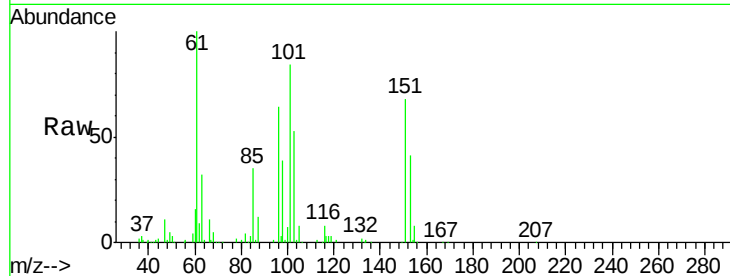
Tgt Ion:101 Resp: 144133

Ion Ratio Lower Upper

101 100

85 41.7 33.7 50.5

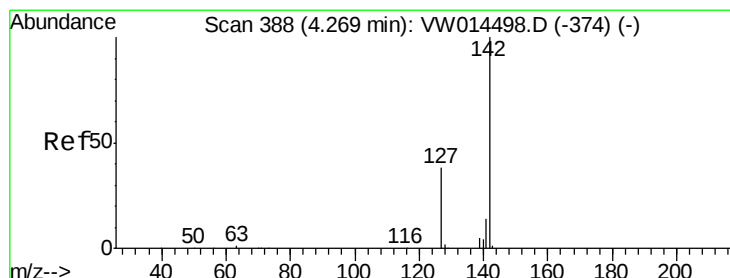
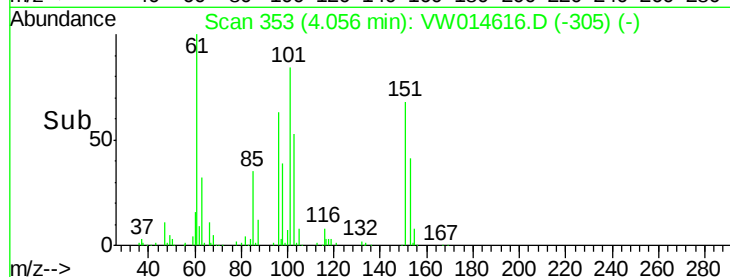
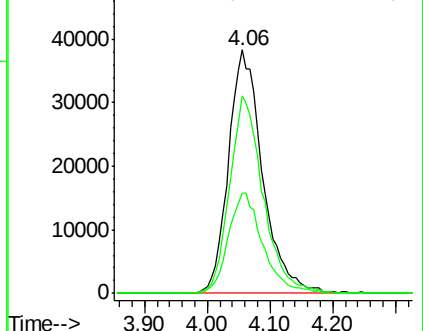
151 79.6 63.5 95.3



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: 20.751 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

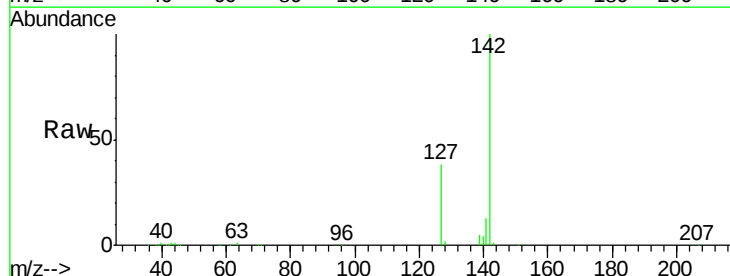
Tgt Ion:142 Resp: 202047

Ion Ratio Lower Upper

142 100

127 39.0 30.2 45.4

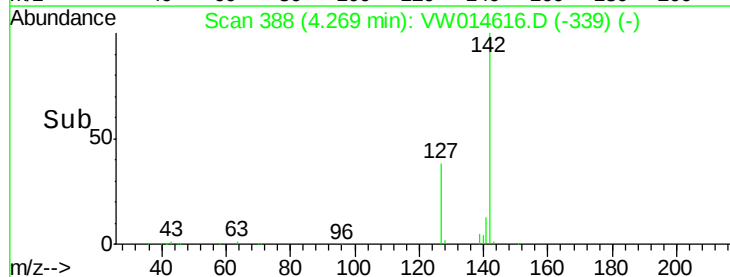
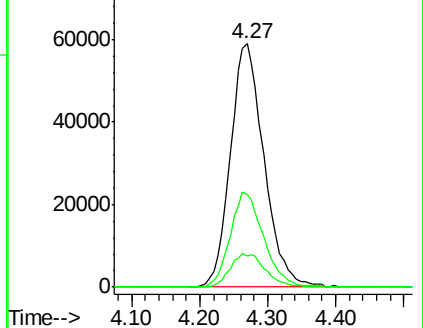
141 14.4 11.4 17.2

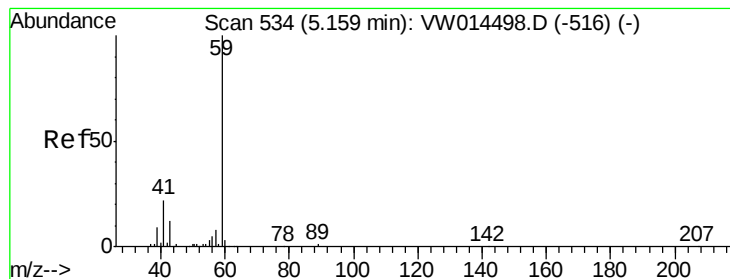


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



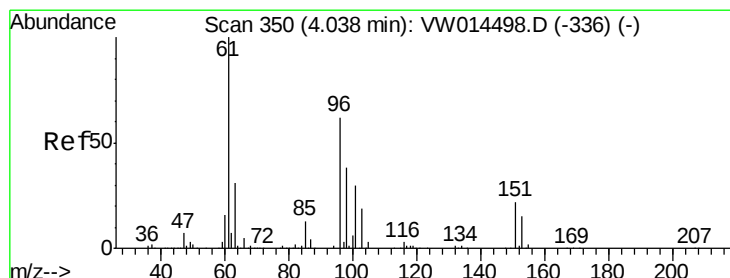
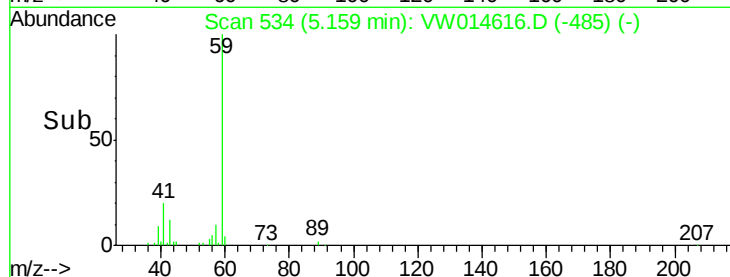
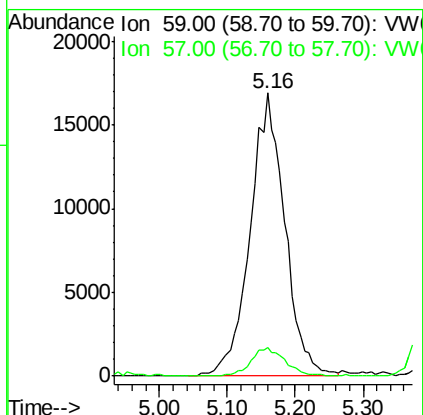
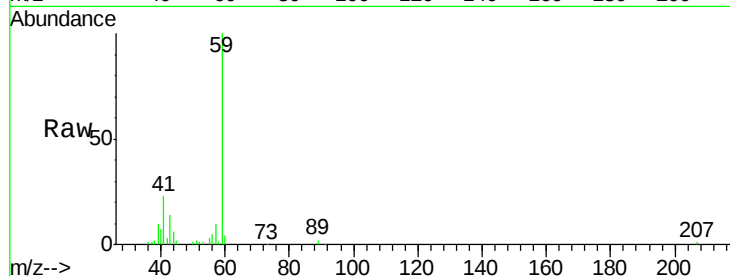


#11

Tert butyl alcohol
Concen: 119.246 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

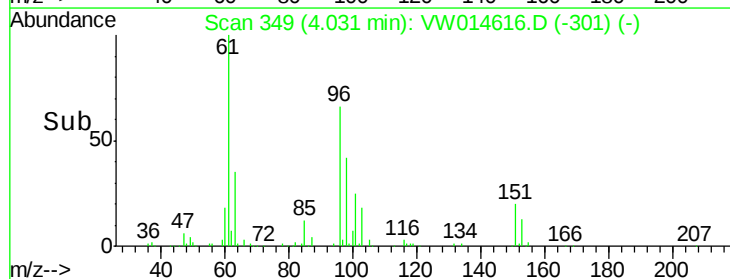
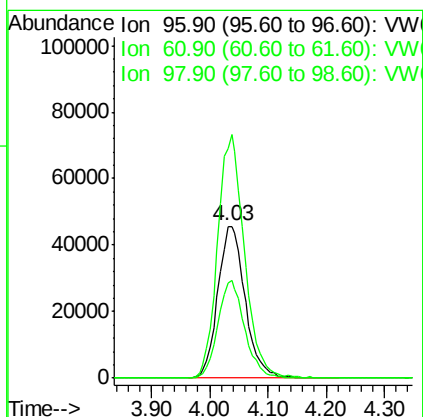
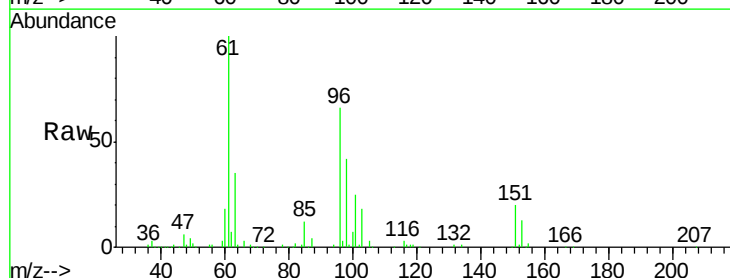
Tgt Ion: 59 Resp: 60079
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8

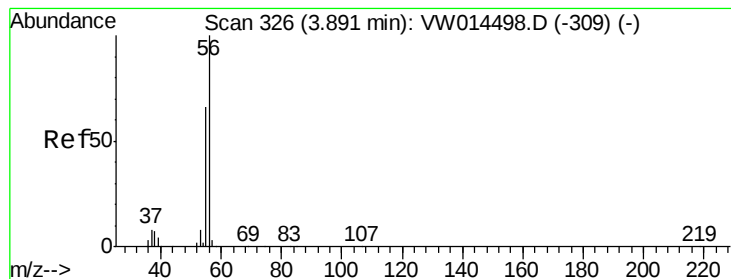


#12

1,1-Dichloroethene
Concen: 21.973 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion: 96 Resp: 148489
Ion Ratio Lower Upper
96 100
61 150.9 128.4 192.6
98 62.9 49.1 73.7





#13

Acrolein

Concen: 105.385 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

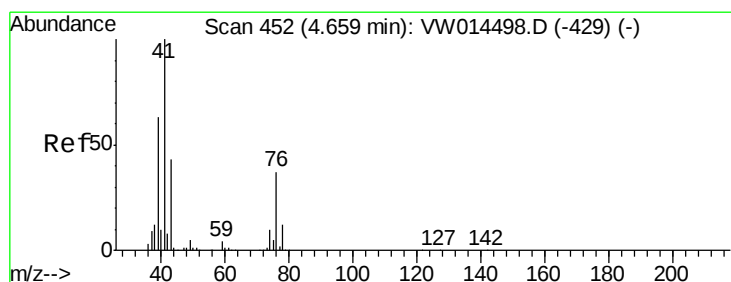
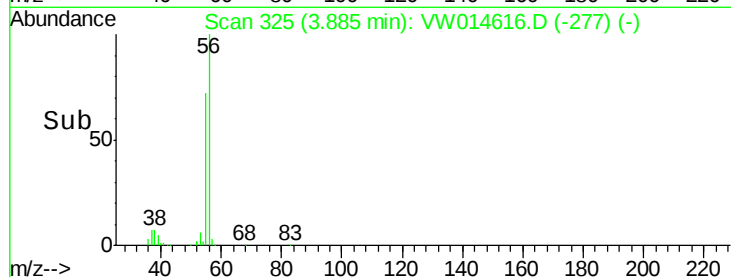
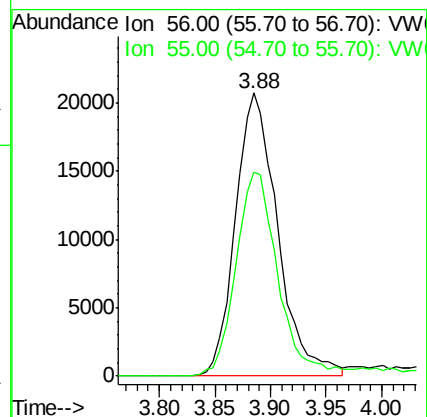
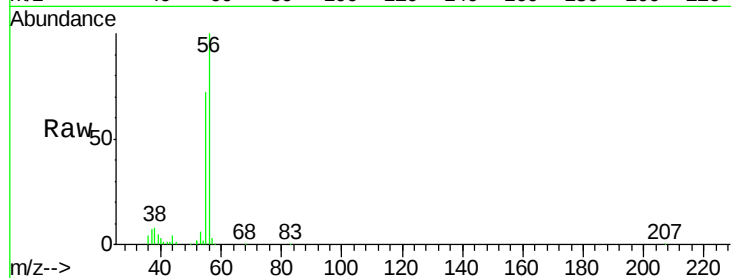
VW0113SBSD01

Tgt Ion: 56 Resp: 54611

Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1



#14

Allyl chloride

Concen: 21.697 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

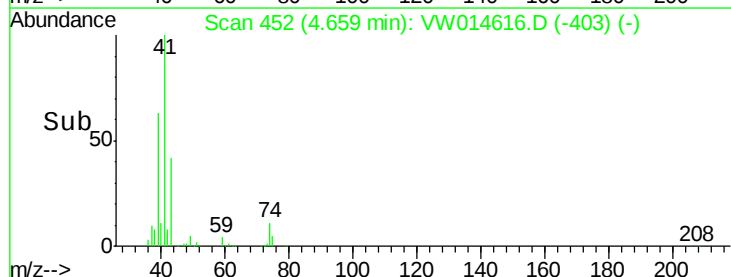
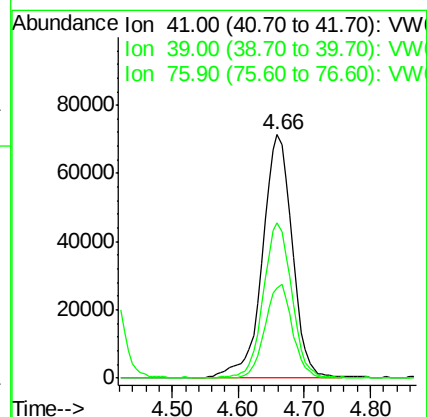
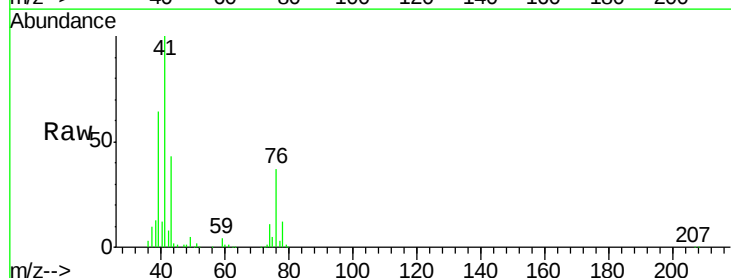
Tgt Ion: 41 Resp: 224059

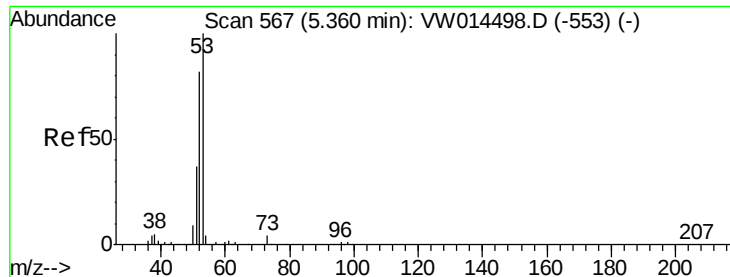
Ion Ratio Lower Upper

41 100

39 61.1 48.5 72.7

76 35.4 28.1 42.1





#15

Acrylonitrile

Concen: 119.595 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

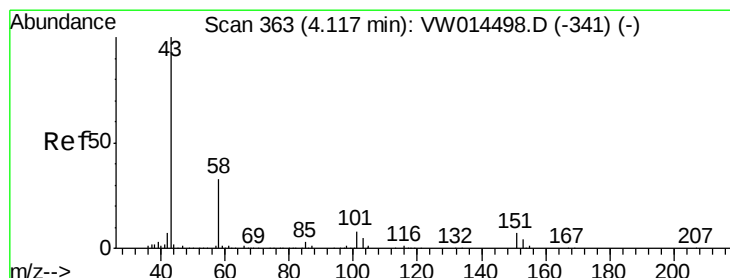
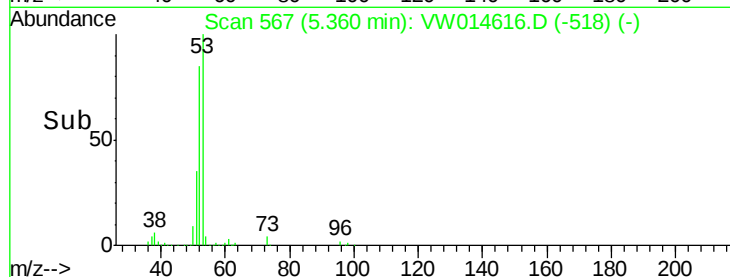
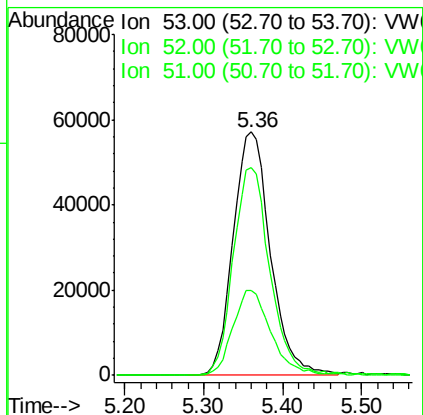
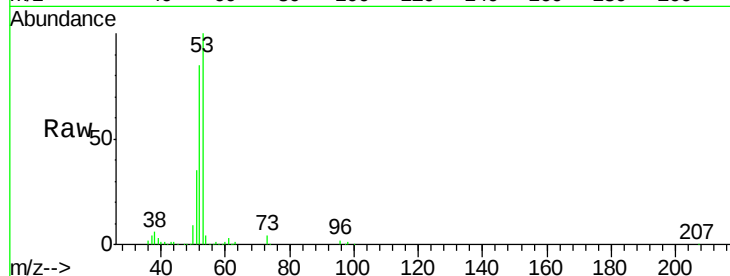
Tgt Ion: 53 Resp: 187852

Ion Ratio Lower Upper

53 100

52 84.3 66.5 99.7

51 35.7 28.4 42.6



#16

Acetone

Concen: 113.480 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014616.D

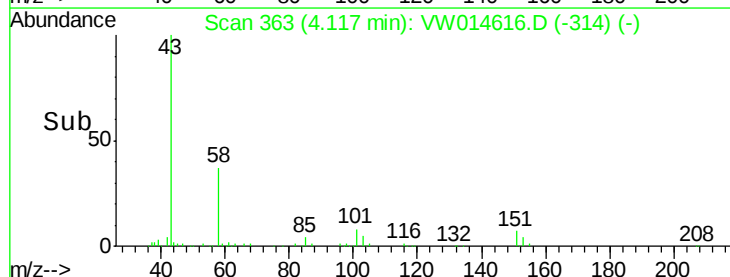
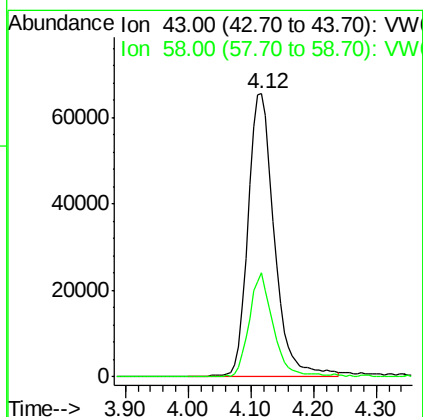
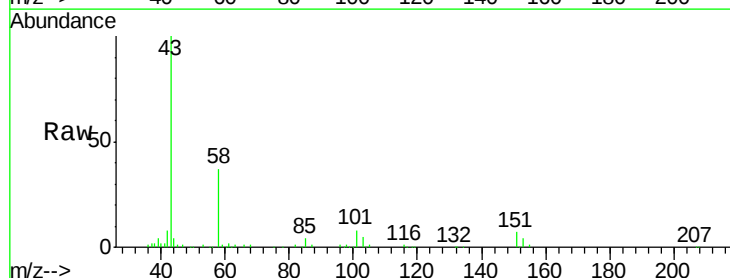
Acq: 13 Jan 2020 11:39

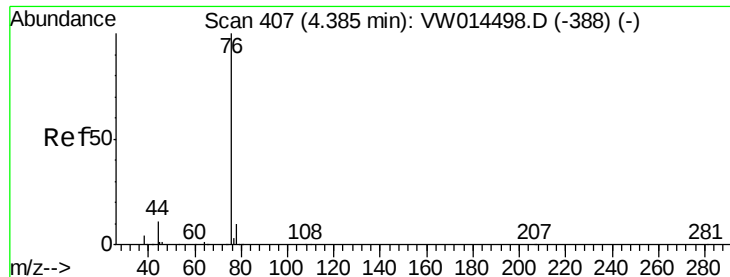
Tgt Ion: 43 Resp: 190247

Ion Ratio Lower Upper

43 100

58 37.0 26.6 39.8





#17

Carbon Disulfide

Concen: 20.987 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

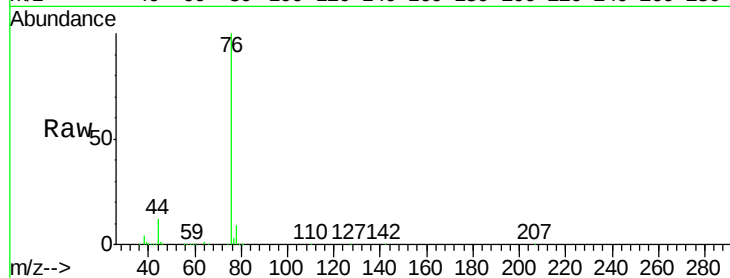
VW0113SBSD01

Tgt Ion: 76 Resp: 427460

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

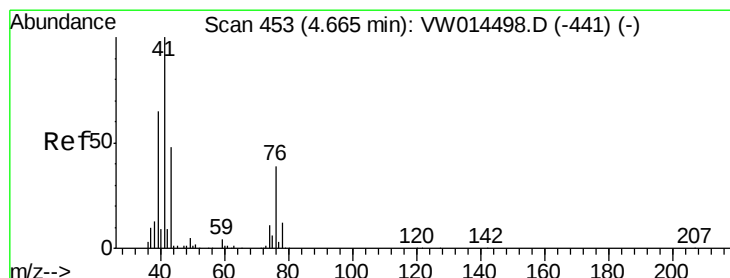
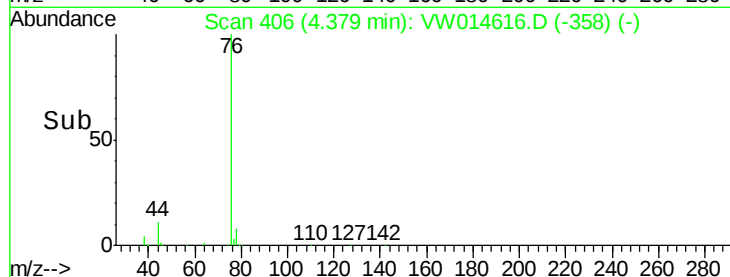
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 23.807 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014616.D

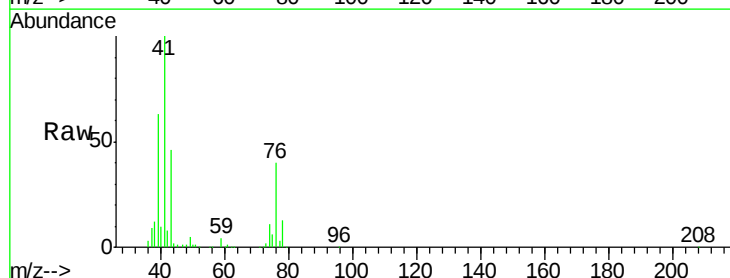
Acq: 13 Jan 2020 11:39

Tgt Ion: 43 Resp: 96393

Ion Ratio Lower Upper

43 100

74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

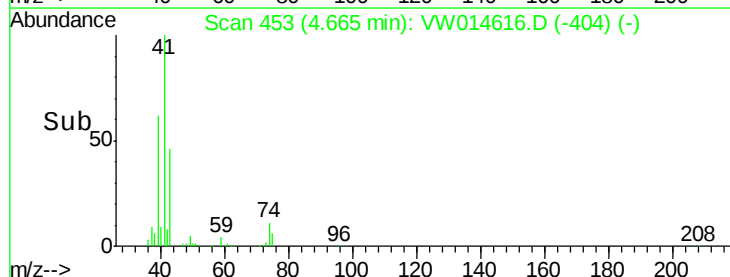
30000

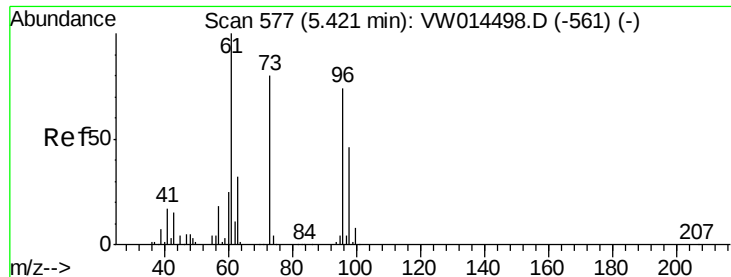
20000

10000

0

Time--> 4.50 4.60 4.70 4.80

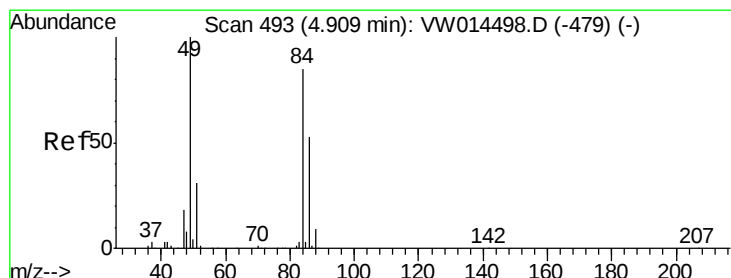
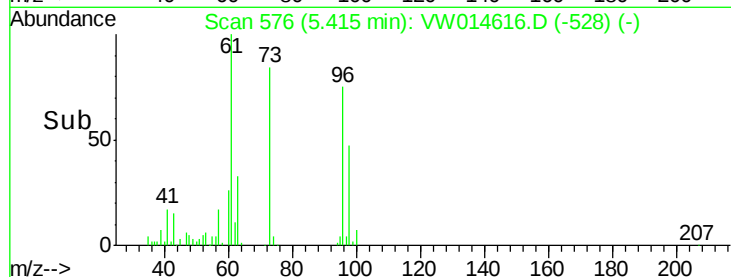
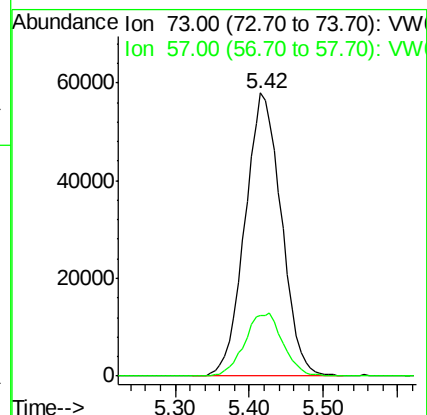
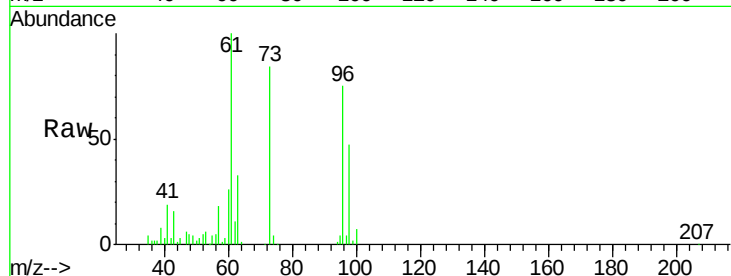




#19
Methyl tert-butyl Ether
Concen: 23.666 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

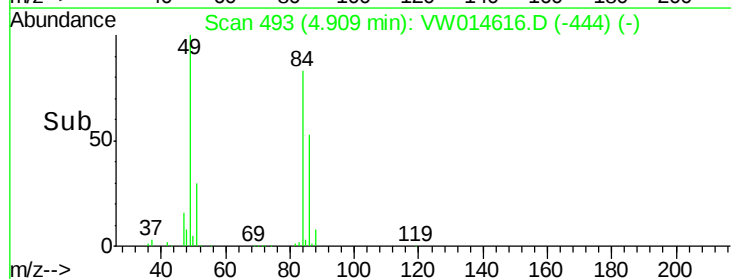
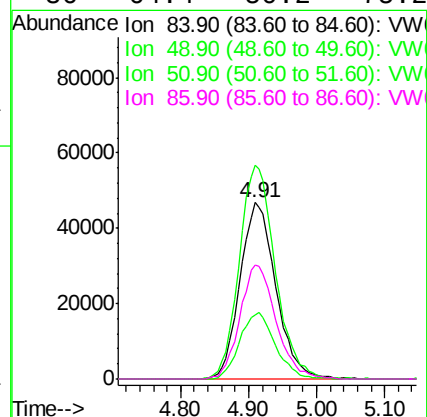
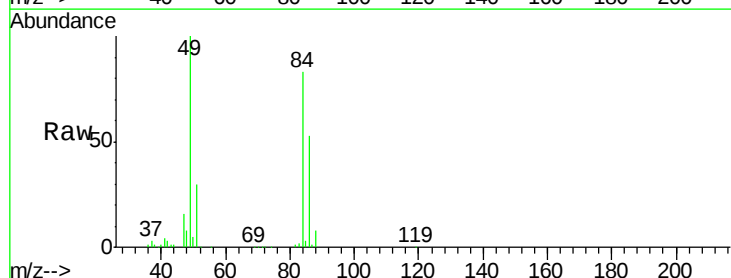
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

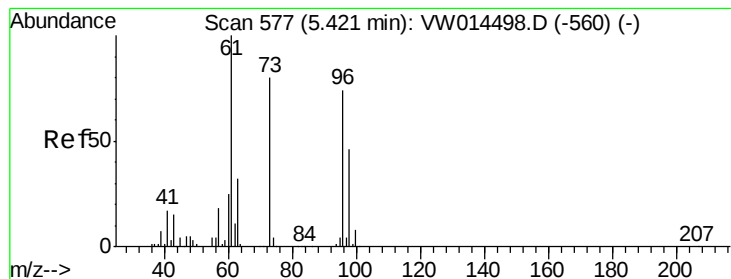
Tgt Ion: 73 Resp: 198523
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 22.836 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion: 84 Resp: 171493
Ion Ratio Lower Upper
84 100
49 121.0 94.4 141.6
51 36.3 29.5 44.3
86 64.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.743 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

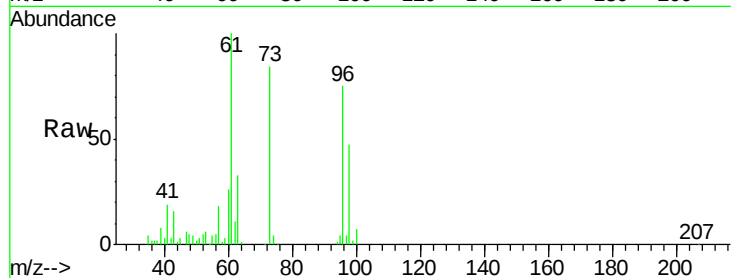
Tgt Ion: 96 Resp: 156019

Ion Ratio Lower Upper

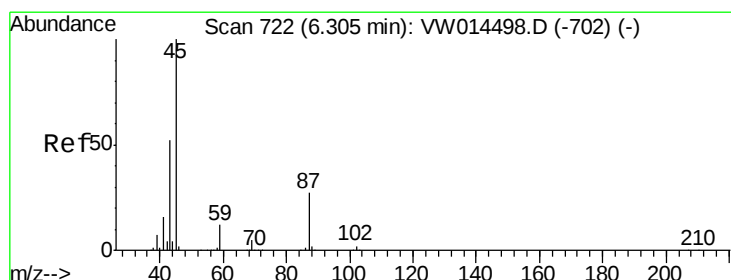
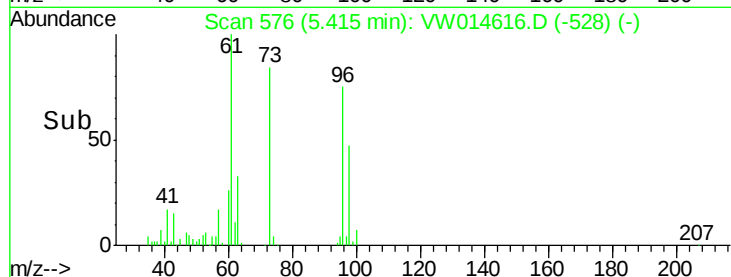
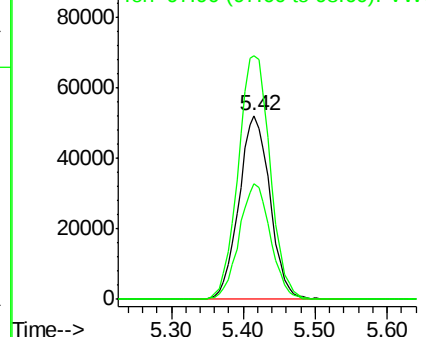
96 100

61 132.6 107.8 161.6

98 62.7 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: 22.270 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion: 45 Resp: 430456

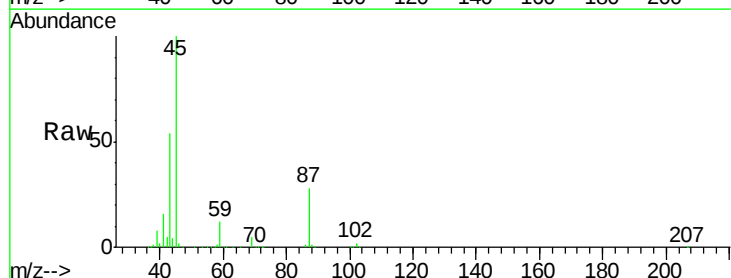
Ion Ratio Lower Upper

45 100

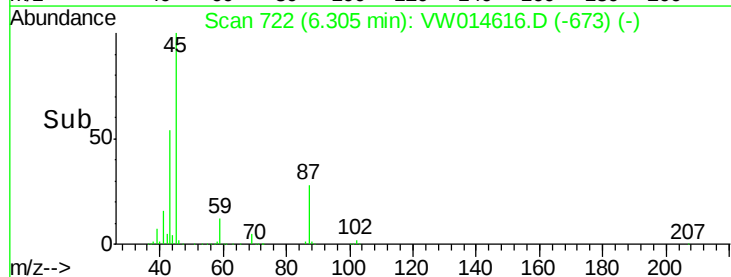
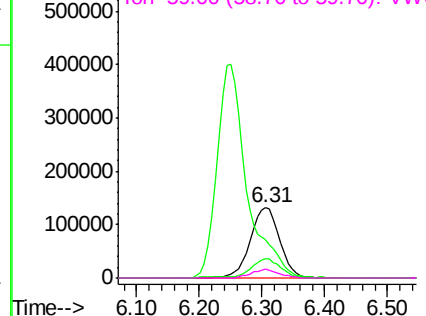
43 53.7 41.4 62.0

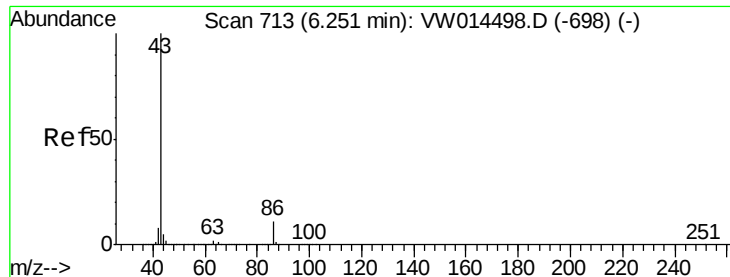
87 27.9 22.2 33.2

59 12.0 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: 113.404 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

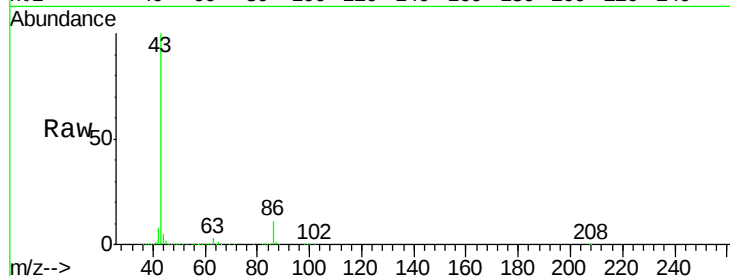
VW0113SBSD01

Tgt Ion: 43 Resp: 1323674

Ion Ratio Lower Upper

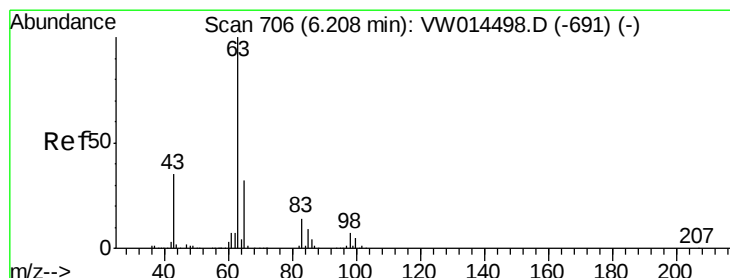
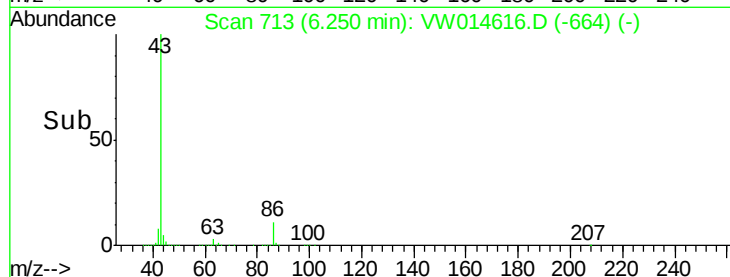
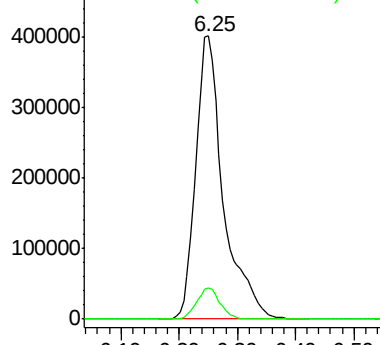
43 100

86 10.9 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: 21.700 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

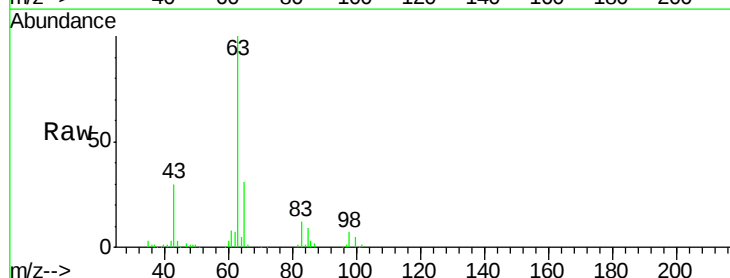
Tgt Ion: 63 Resp: 264581

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

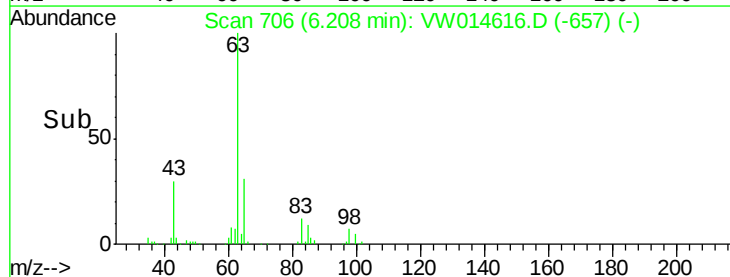
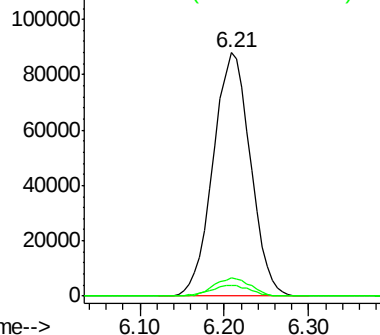
100 4.6 2.5 7.4



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: 120.041 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

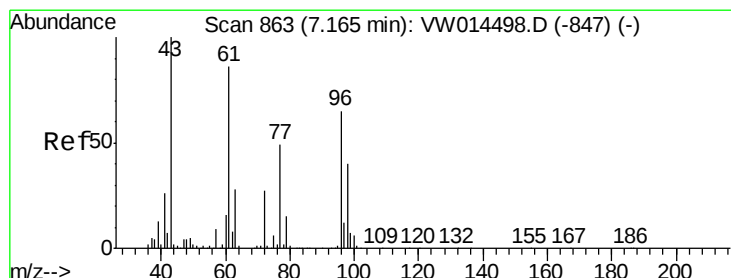
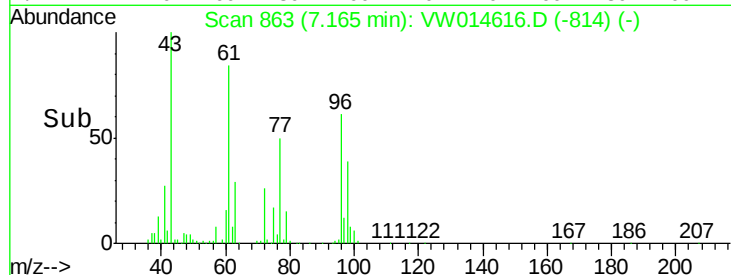
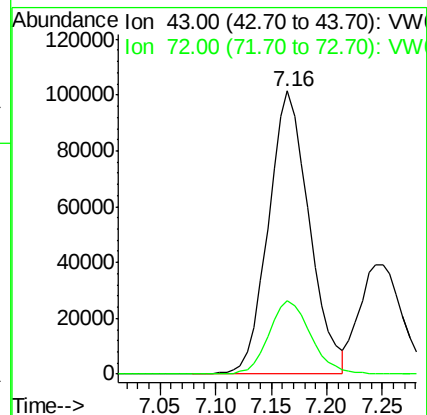
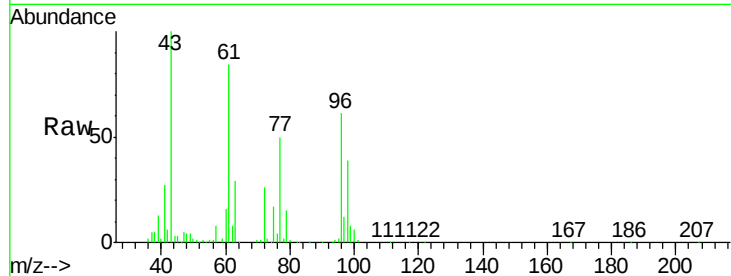
VW0113SBSD01

Tgt Ion: 43 Resp: 258263

Ion Ratio Lower Upper

43 100

72 26.0 21.9 32.9



#26

2,2-Dichloropropane

Concen: 22.748 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014616.D

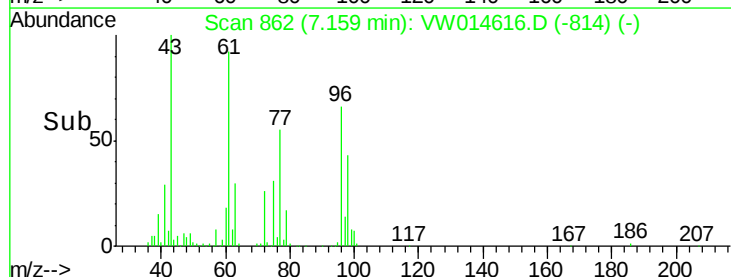
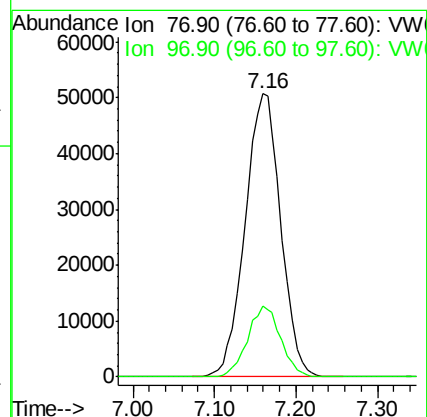
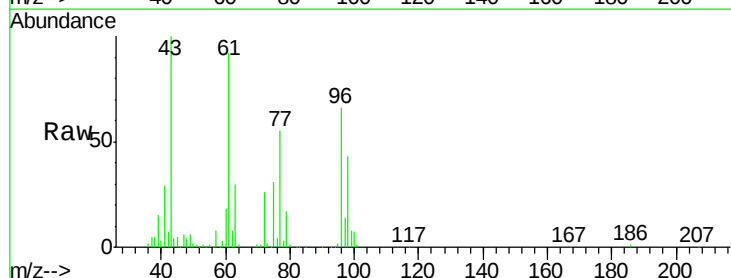
Acq: 13 Jan 2020 11:39

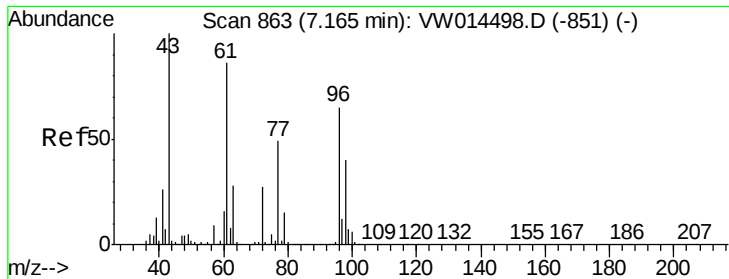
Tgt Ion: 77 Resp: 153561

Ion Ratio Lower Upper

77 100

97 23.4 12.5 37.5



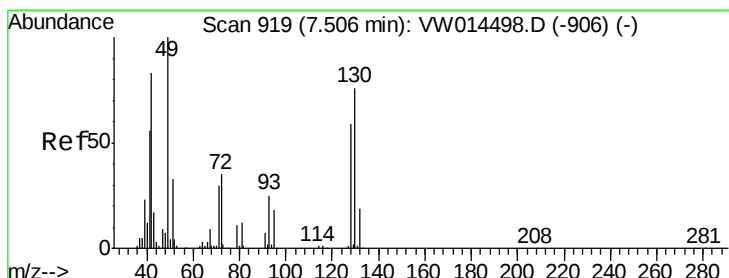
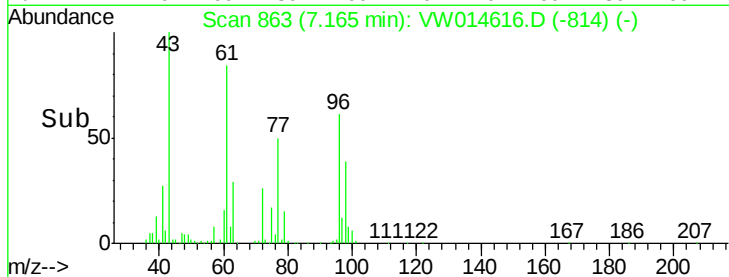
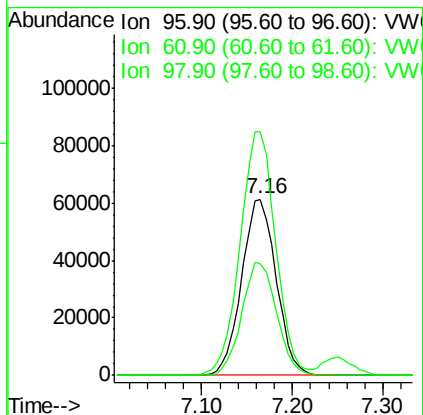
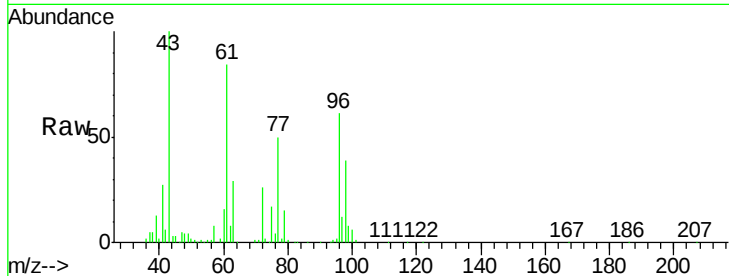


#27

cis-1,2-Dichloroethene
 Concen: 21.528 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

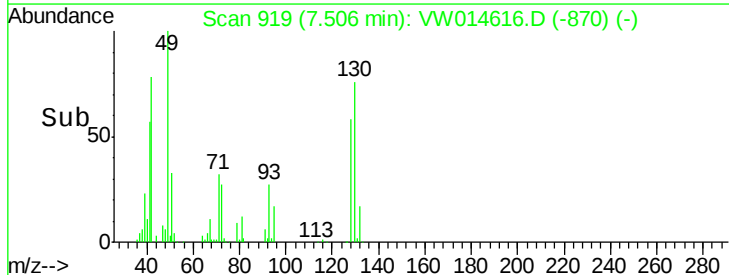
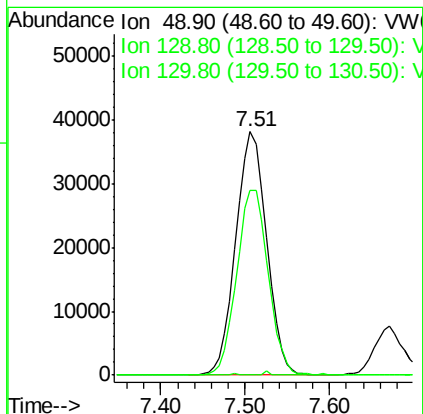
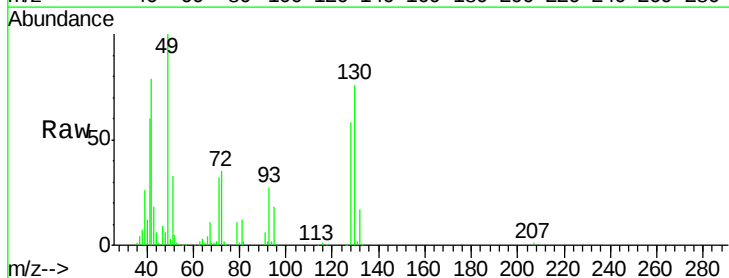
Tgt Ion: 96 Resp: 162317
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 274.8
 98 64.3 0.0 128.6

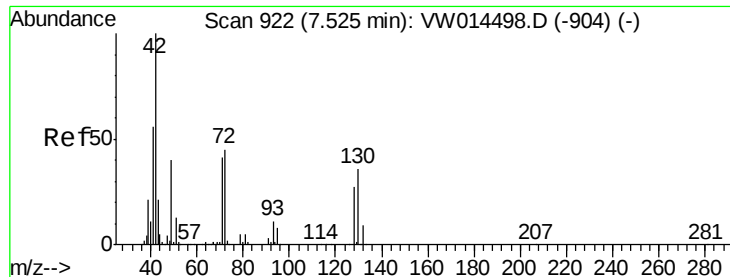


#28

Bromochloromethane
 Concen: 19.792 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 49 Resp: 94610
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 2.0
 130 77.5 62.5 93.7





#29

Tetrahydrofuran

Concen: 118.878 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

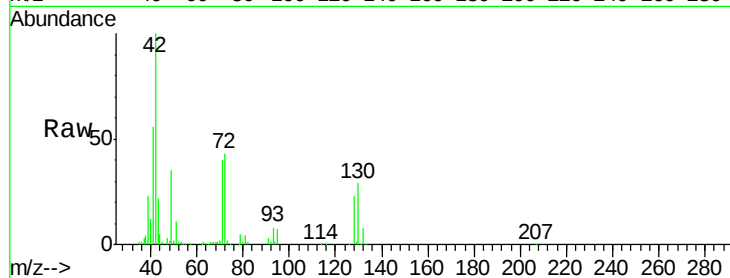
Tgt Ion: 42 Resp: 158446

Ion Ratio Lower Upper

42 100

72 43.4 34.5 51.7

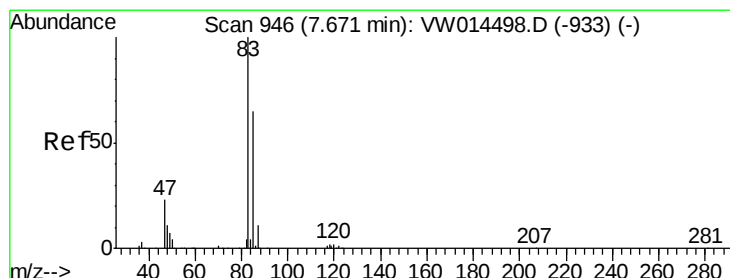
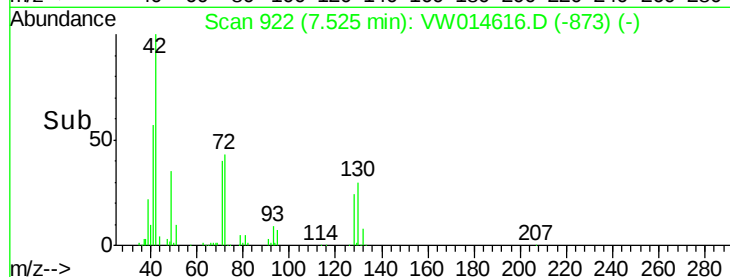
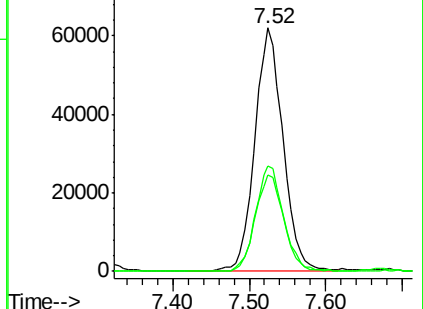
71 40.3 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 22.039 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014616.D

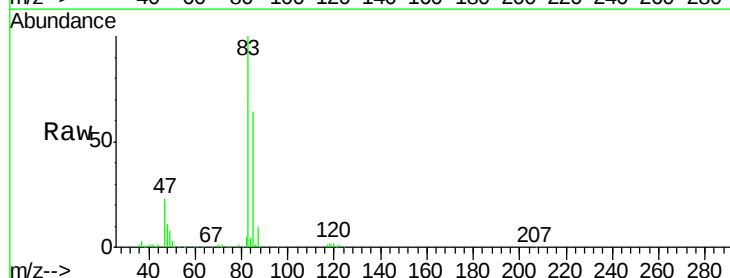
Acq: 13 Jan 2020 11:39

Tgt Ion: 83 Resp: 251288

Ion Ratio Lower Upper

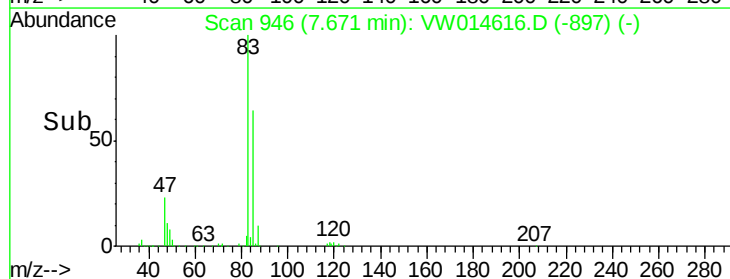
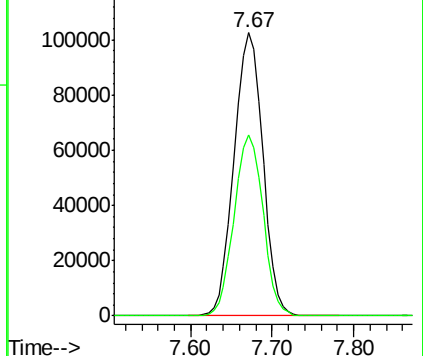
83 100

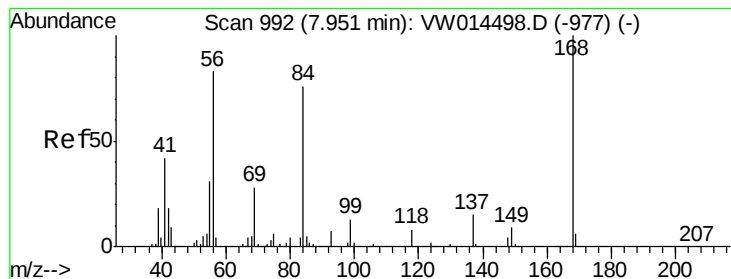
85 63.7 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 21.403 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

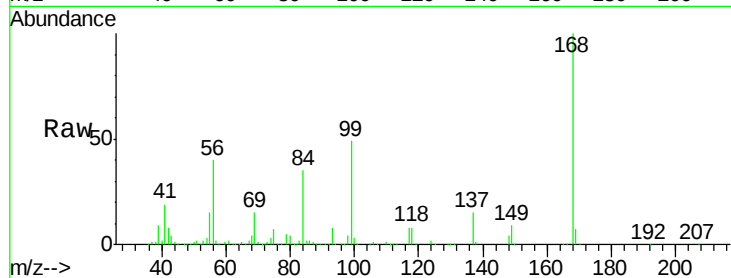
Tgt Ion: 56 Resp: 271204

Ion Ratio Lower Upper

56 100

69 36.1 26.8 40.2

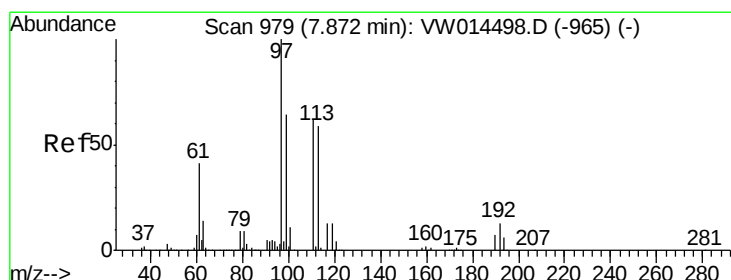
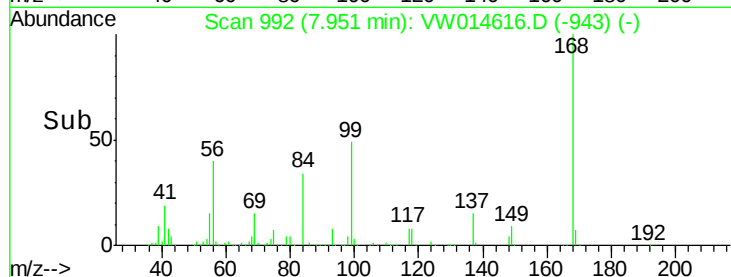
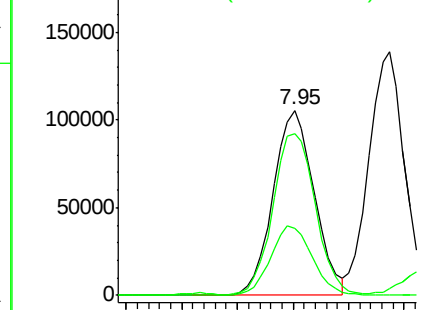
84 86.3 71.8 107.6



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: 22.154 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

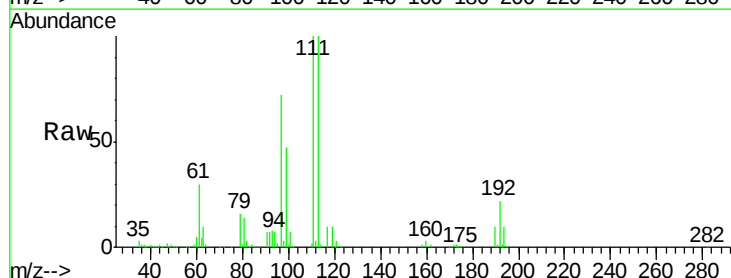
Tgt Ion: 97 Resp: 203156

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

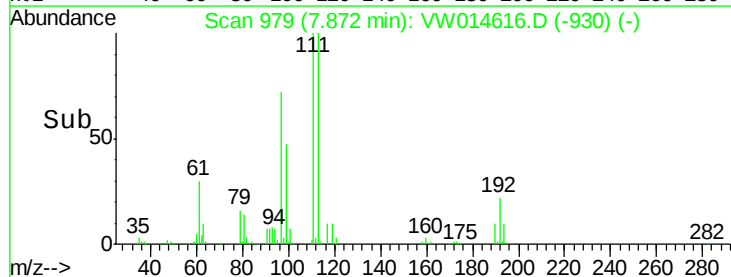
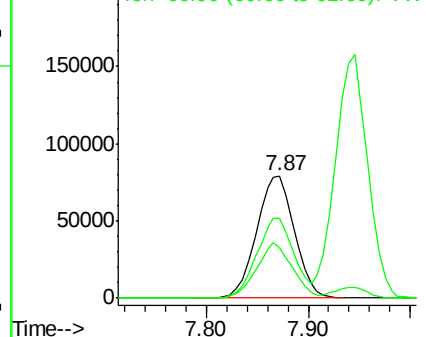
61 42.9 33.8 50.8

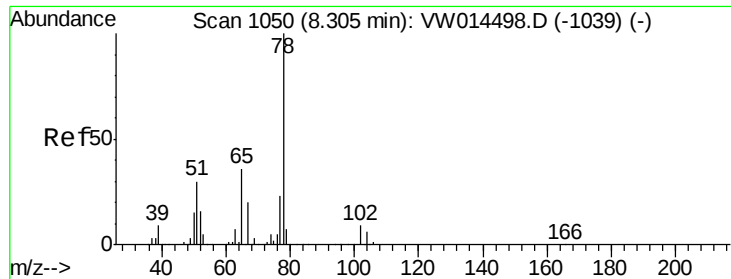


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 50.574 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

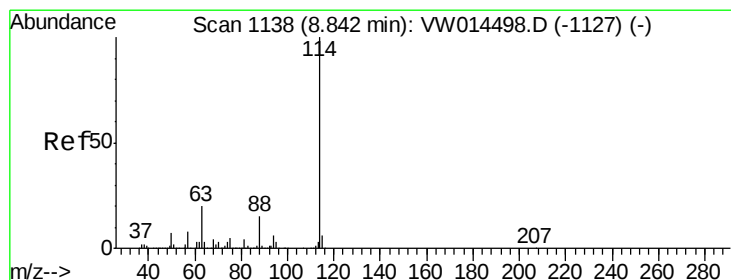
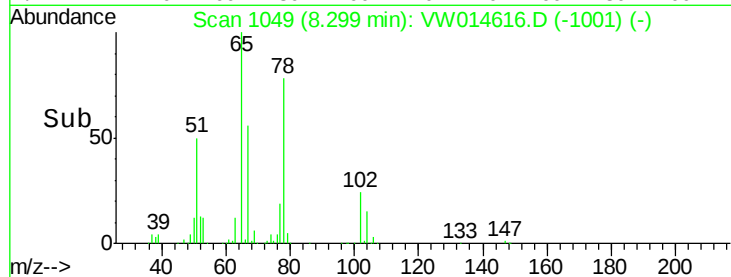
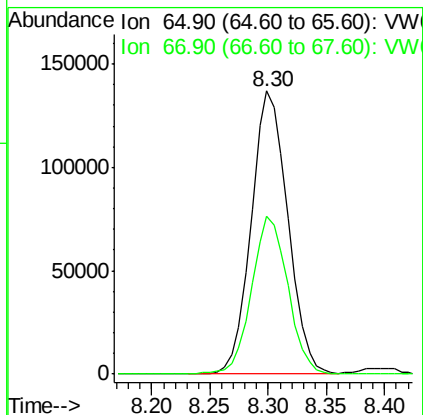
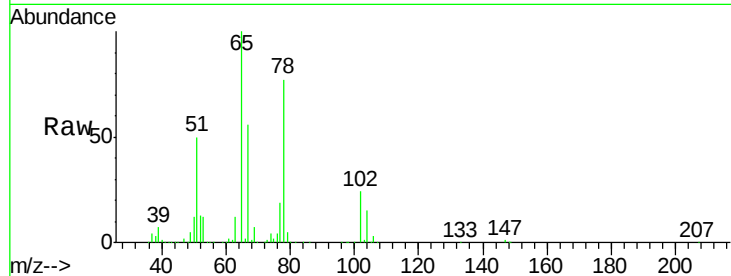
VW0113SBSD01

Tgt Ion: 65 Resp: 300268

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

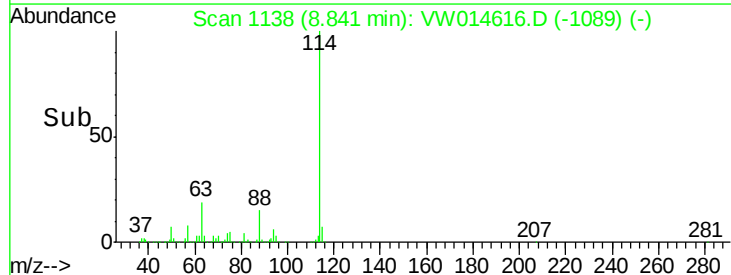
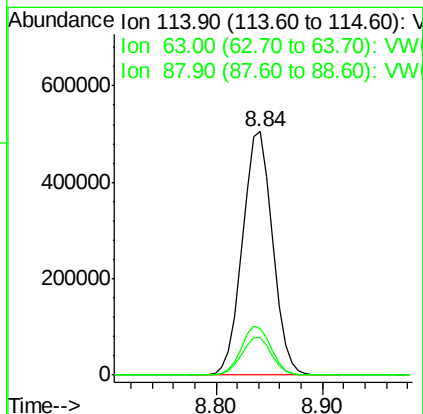
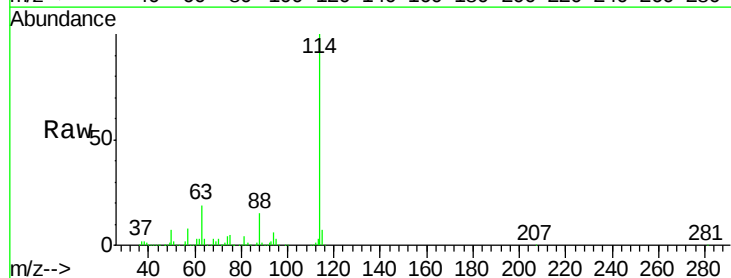
Tgt Ion: 114 Resp: 1006199

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.952 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

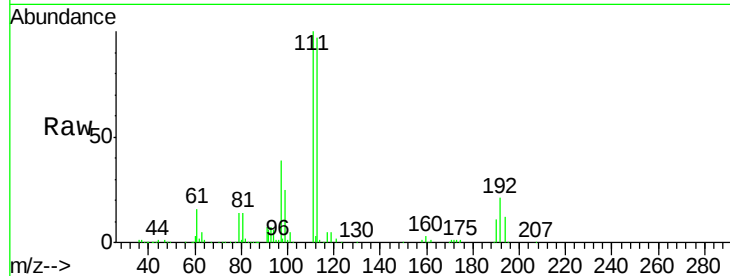
Tgt Ion:113 Resp: 293004

Ion Ratio Lower Upper

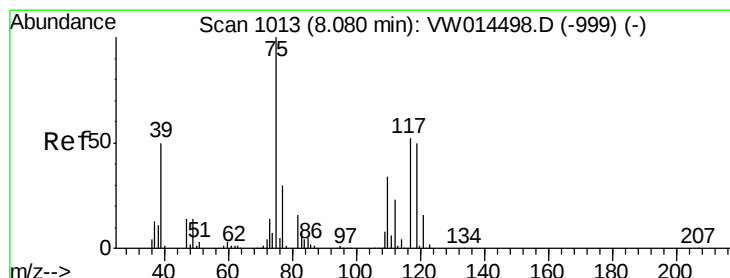
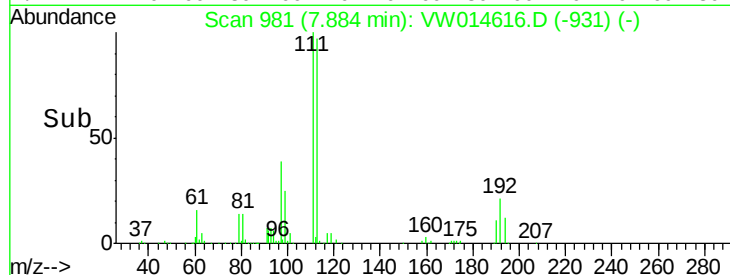
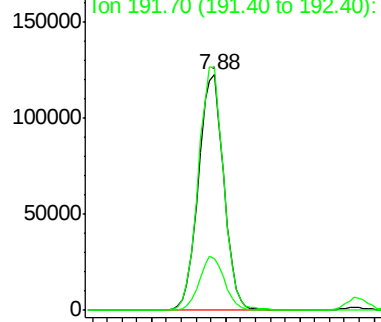
113 100

111 102.8 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: 22.180 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

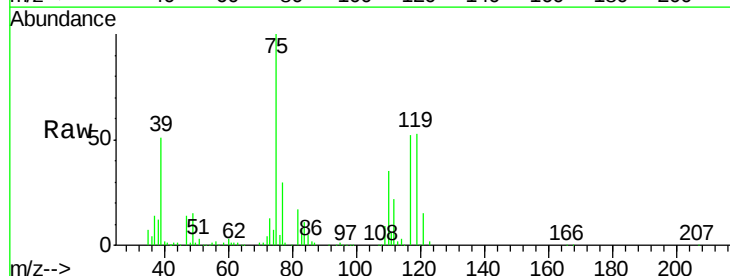
Tgt Ion: 75 Resp: 215153

Ion Ratio Lower Upper

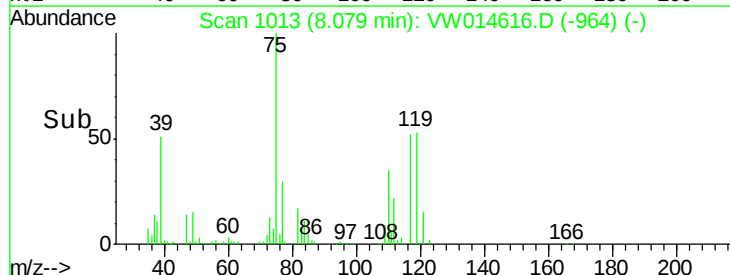
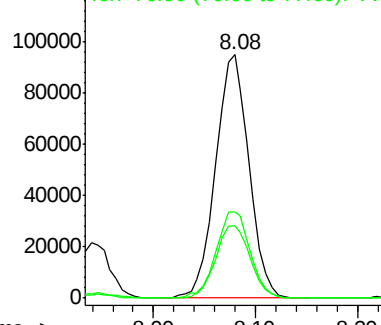
75 100

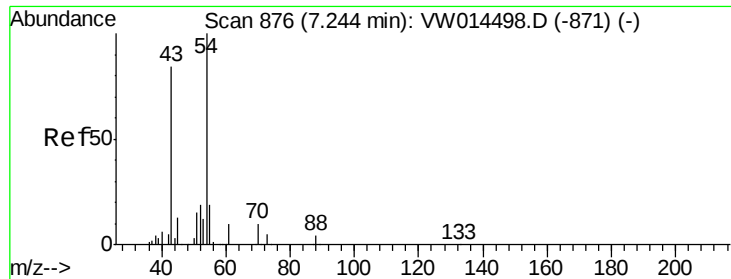
110 36.2 17.8 53.5

77 31.4 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

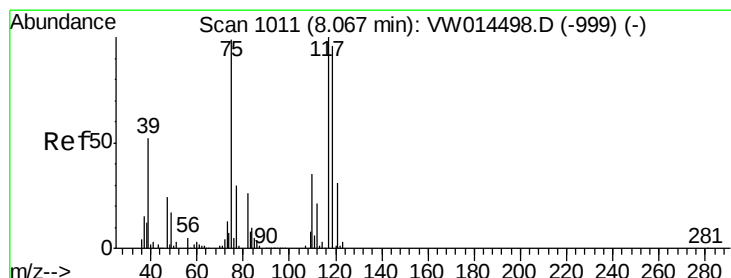
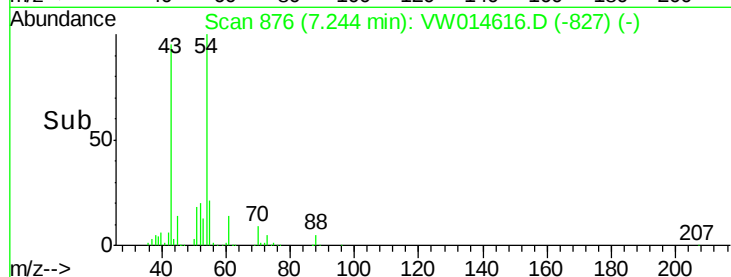
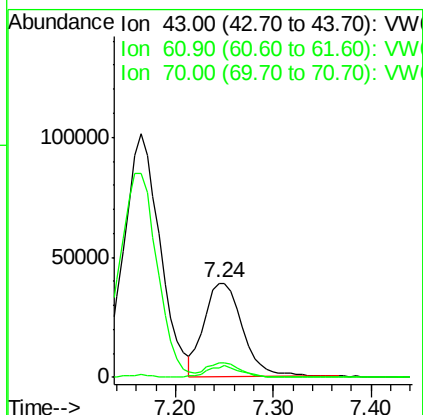
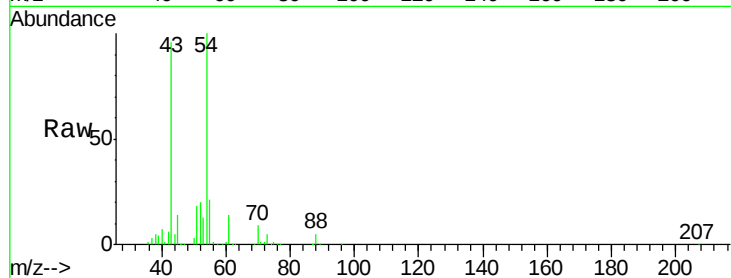




#37
 Ethyl Acetate
 Concen: 24.134 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

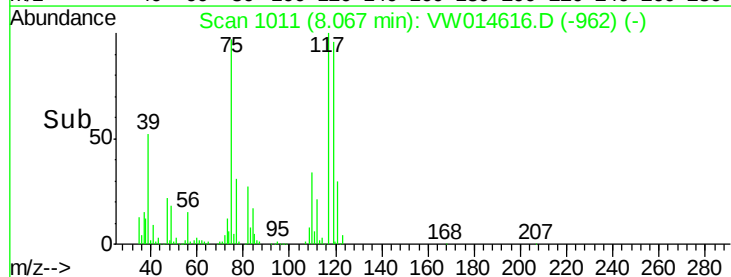
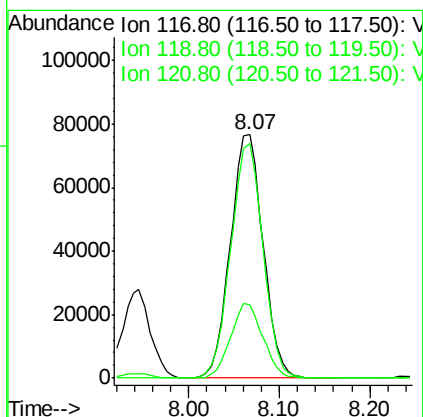
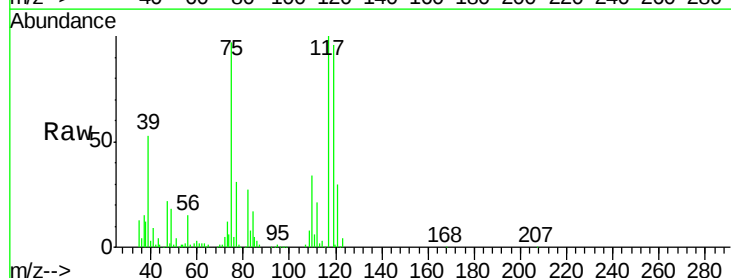
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

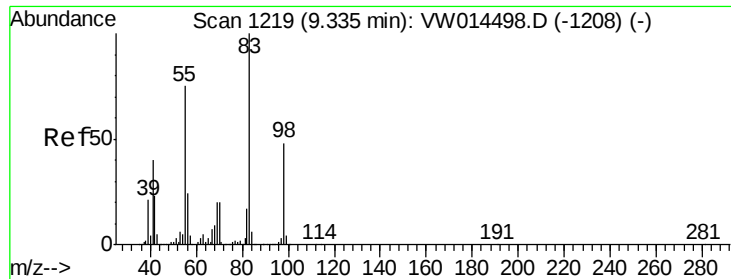
Tgt Ion: 43 Resp: 106173
 Ion Ratio Lower Upper
 43 100
 61 13.9 11.7 17.5
 70 11.0 9.0 13.6



#38
 Carbon Tetrachloride
 Concen: 22.805 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 117 Resp: 191914
 Ion Ratio Lower Upper
 117 100
 119 96.5 77.0 115.6
 121 30.4 24.6 36.8

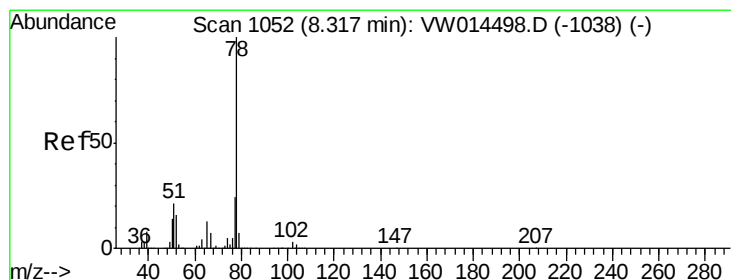
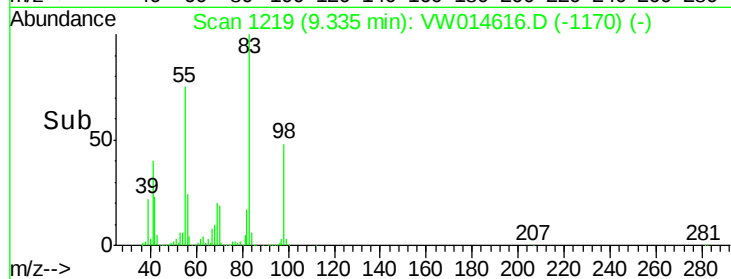
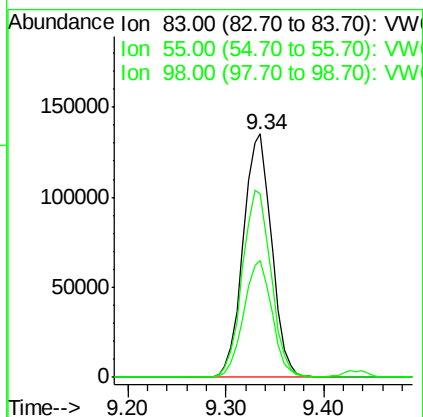
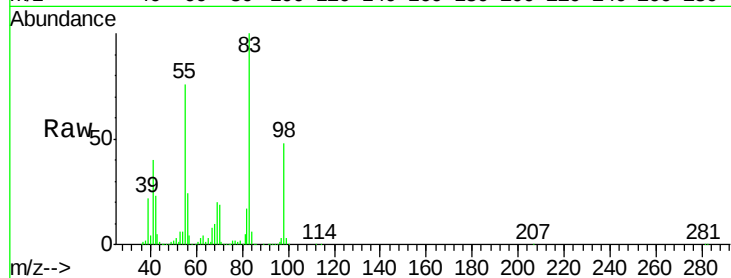




#39
Methylcyclohexane
Concen: 21.940 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

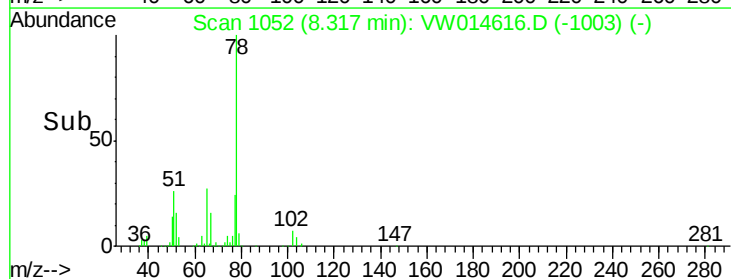
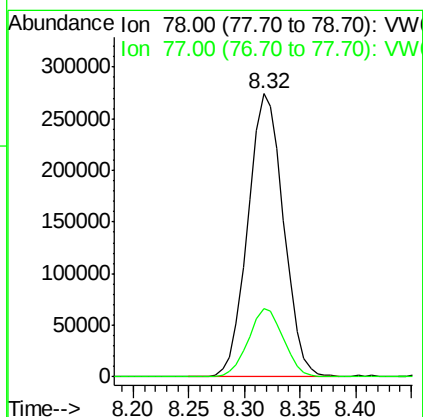
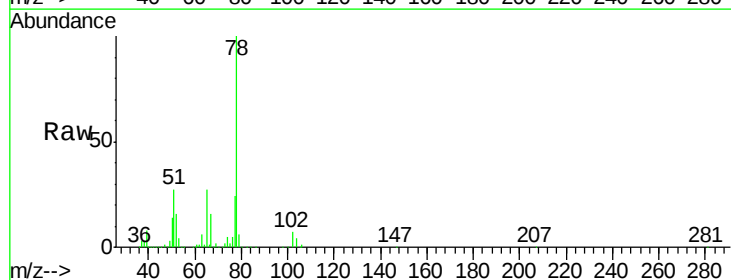
Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

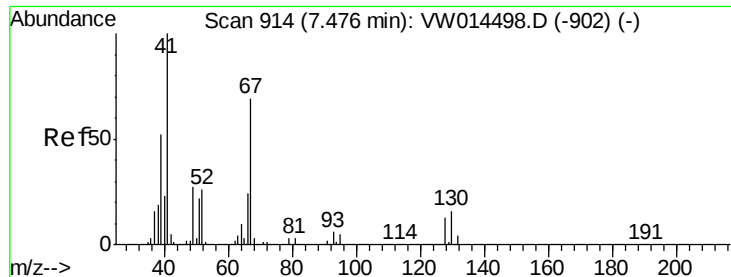
Tgt Ion: 83 Resp: 273115
Ion Ratio Lower Upper
83 100
55 75.5 60.1 90.1
98 48.0 38.8 58.2



#40
Benzene
Concen: 22.302 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion: 78 Resp: 612076
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9





#41

Methacrylonitrile

Concen: 22.532 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

Tgt Ion: 41 Resp: 55256

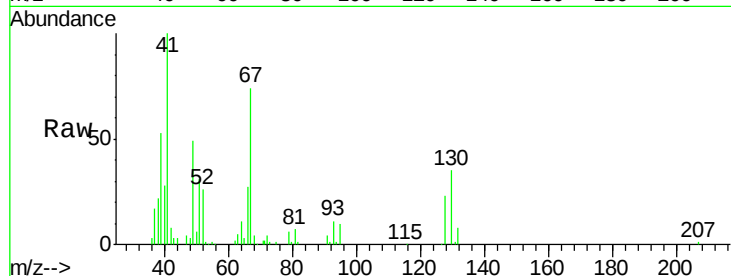
Ion Ratio Lower Upper

41 100

39 57.1 46.0 69.0

67 80.3 60.8 91.2

52 30.4 23.7 35.5

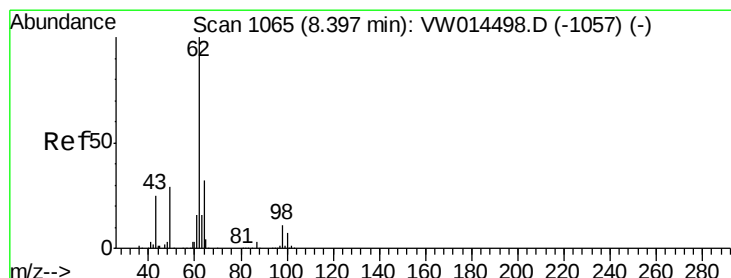
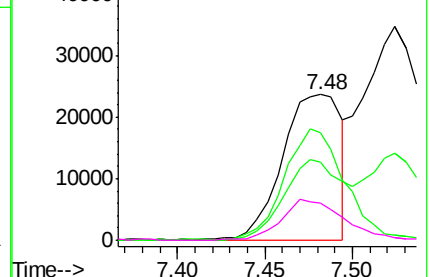
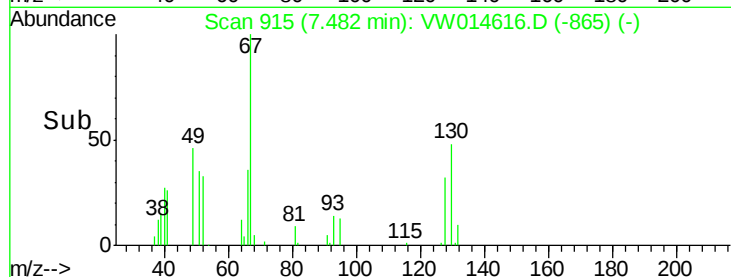


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 22.625 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014616.D

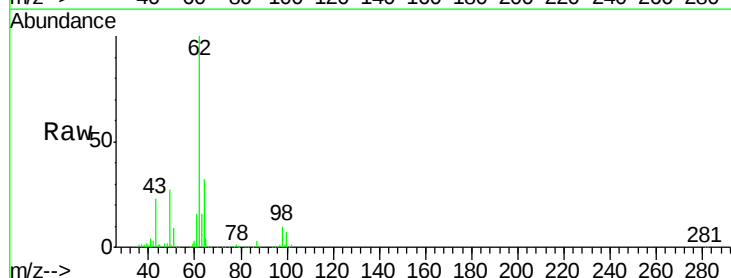
Acq: 13 Jan 2020 11:39

Tgt Ion: 62 Resp: 161145

Ion Ratio Lower Upper

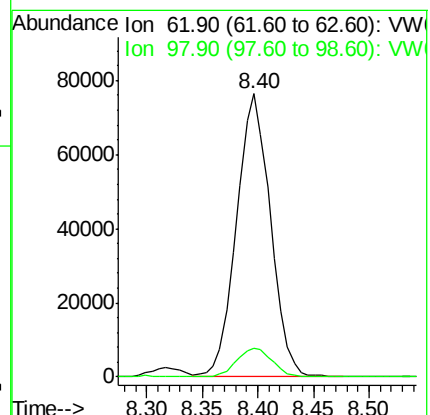
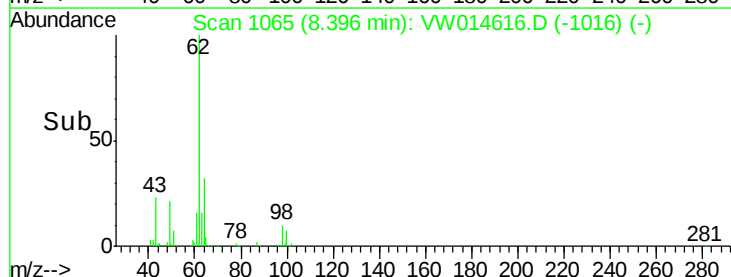
62 100

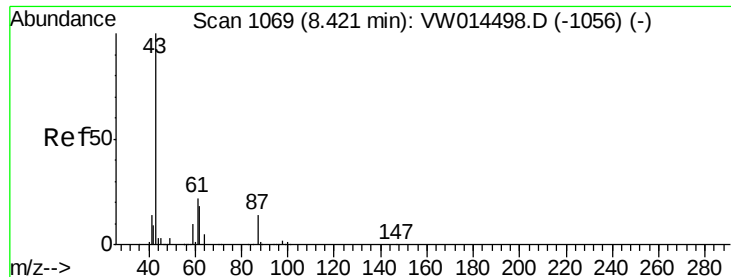
98 10.6 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

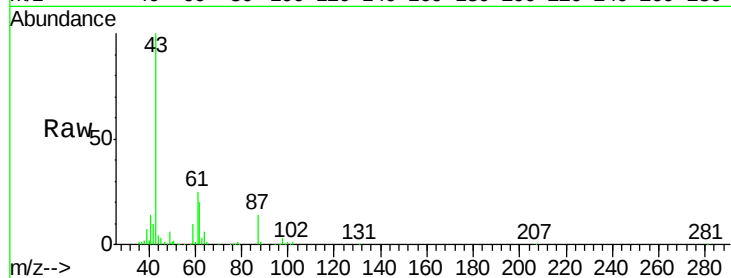




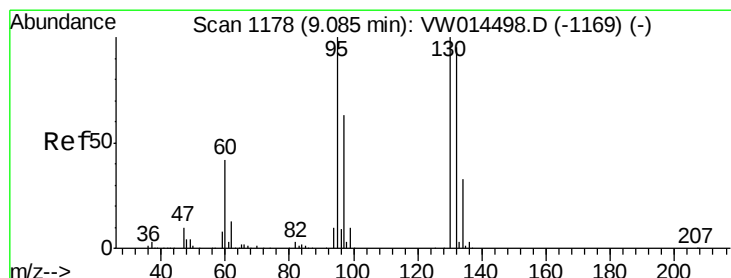
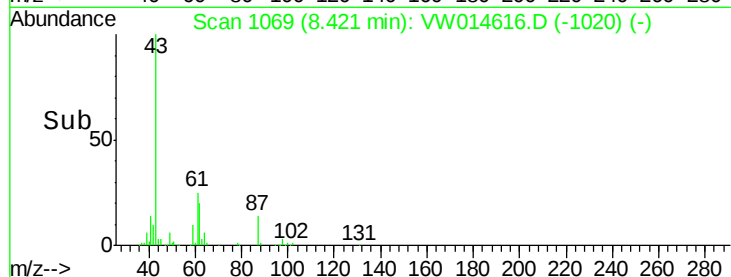
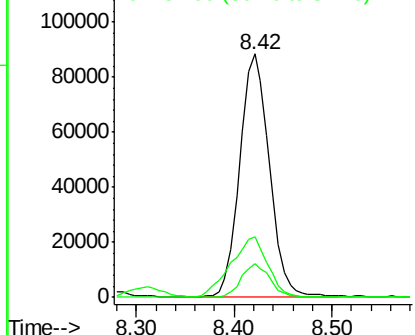
#43
Isopropyl Acetate
Concen: 23.231 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tgt Ion: 43 Resp: 185590
Ion Ratio Lower Upper
43 100
61 31.0 24.7 37.1
87 13.5 11.1 16.7

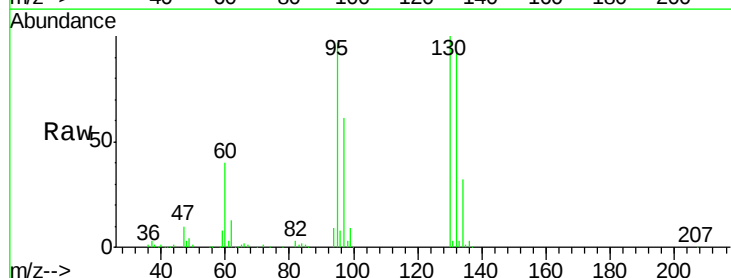


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

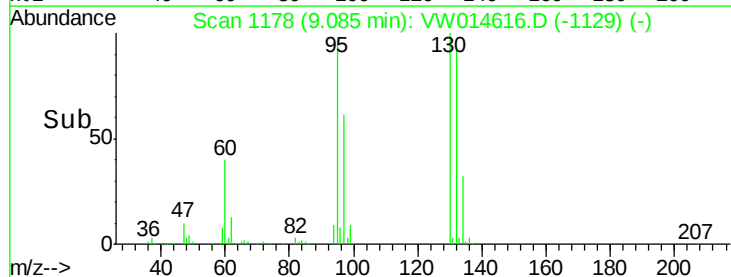
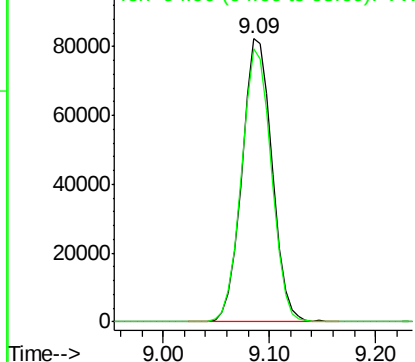


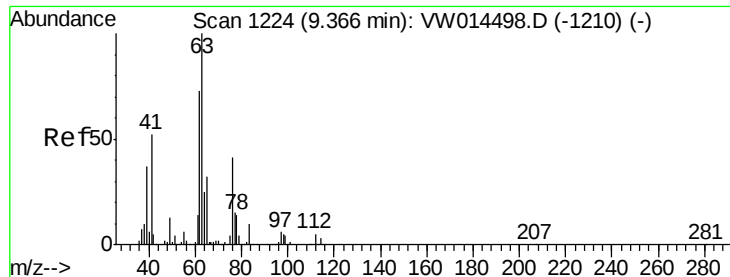
#44
Trichloroethene
Concen: 22.038 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion: 130 Resp: 163663
Ion Ratio Lower Upper
130 100
95 96.7 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: 22.228 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

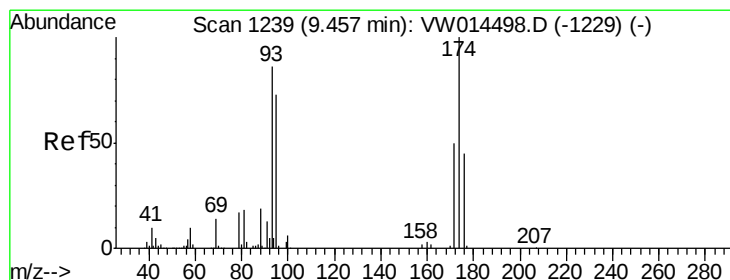
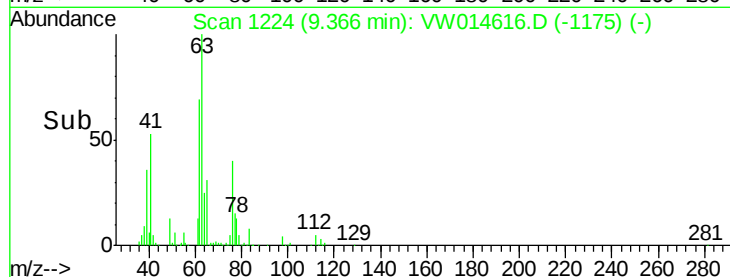
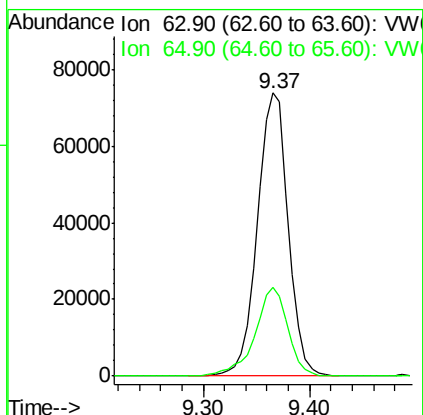
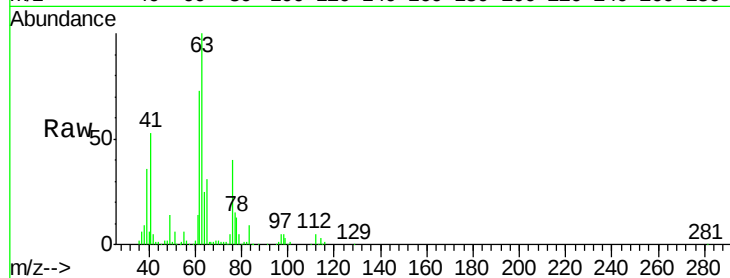
VW0113SBSD01

Tgt Ion: 63 Resp: 149702

Ion Ratio Lower Upper

63 100

65 31.4 25.6 38.4



#46

Dibromomethane

Concen: 22.803 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

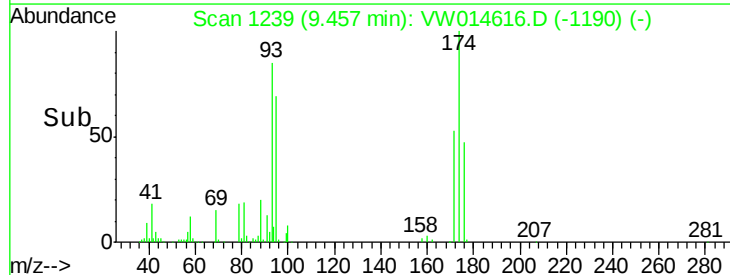
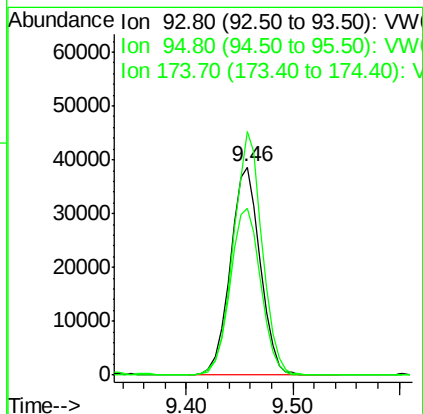
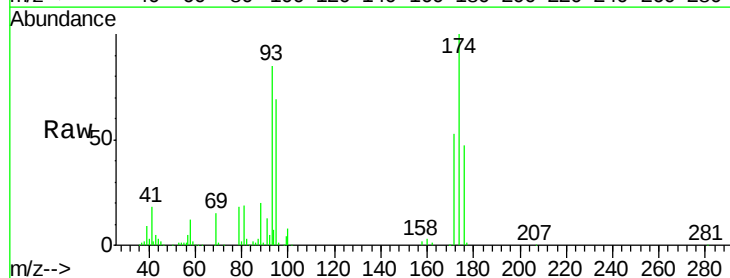
Tgt Ion: 93 Resp: 75816

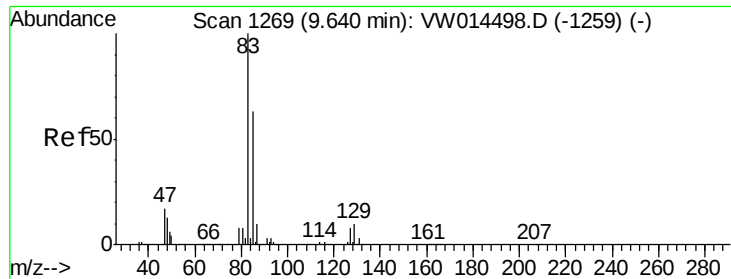
Ion Ratio Lower Upper

93 100

95 82.5 66.4 99.6

174 112.6 89.1 133.7

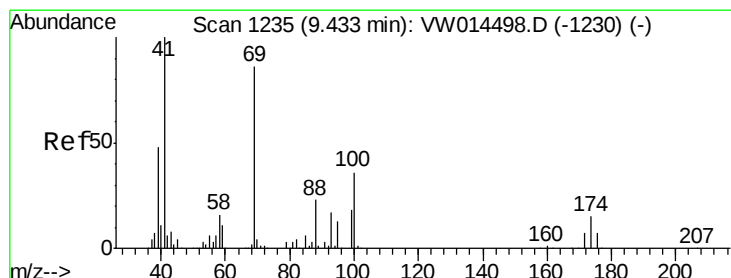
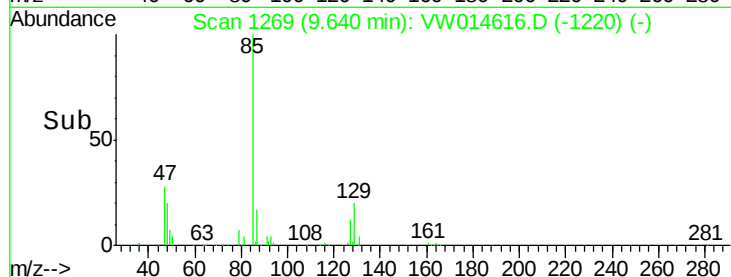
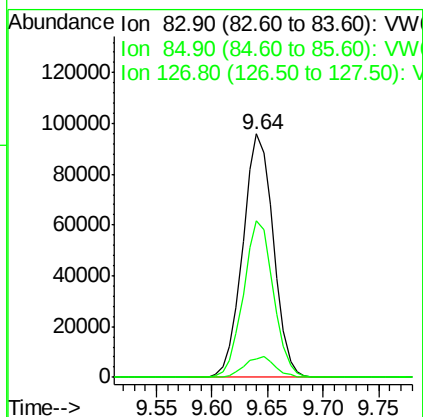
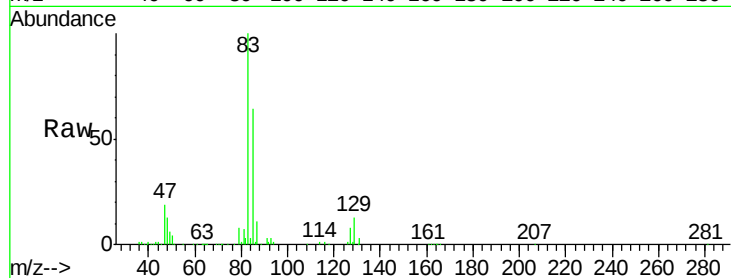




#47
 Bromodichloromethane
 Concen: 22.303 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

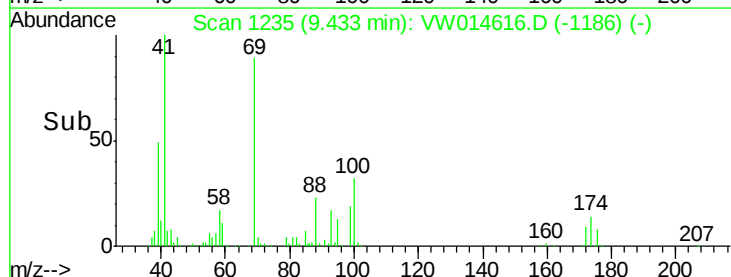
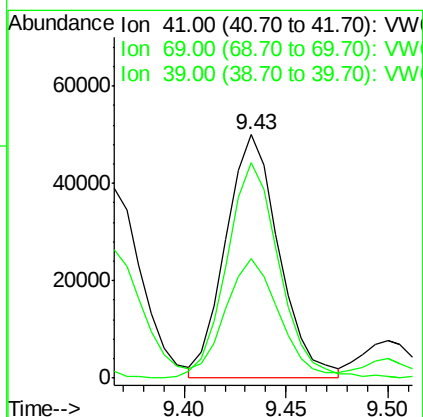
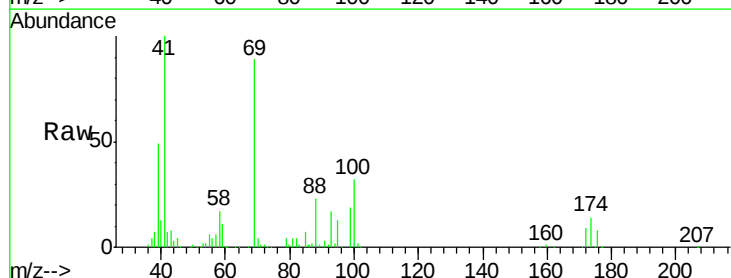
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

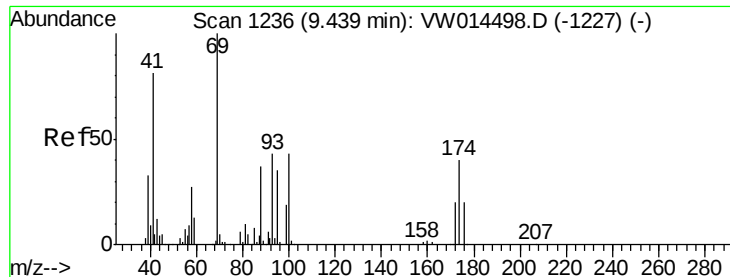
Tgt Ion: 83 Resp: 183074
 Ion Ratio Lower Upper
 83 100
 85 64.4 50.6 76.0
 127 7.8 6.6 9.8



#48
 Methyl methacrylate
 Concen: 23.129 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 41 Resp: 90212
 Ion Ratio Lower Upper
 41 100
 69 86.7 68.3 102.5
 39 44.5 36.8 55.2





#49

1,4-Dioxane

Concen: 498.096 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

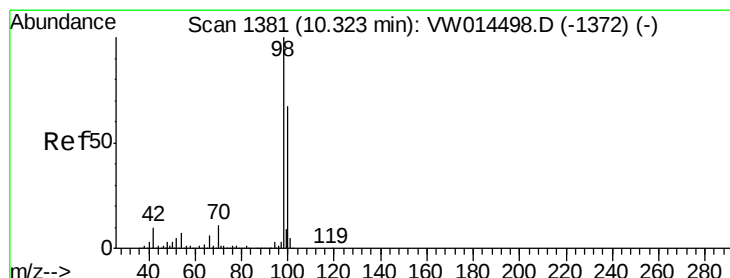
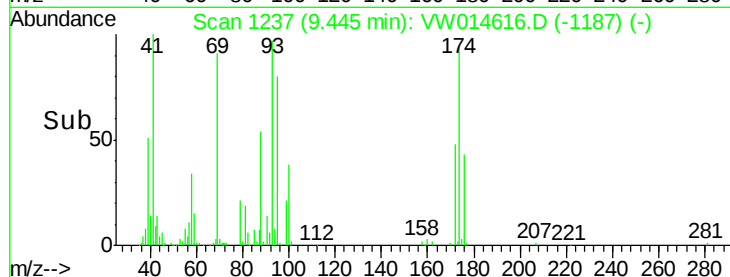
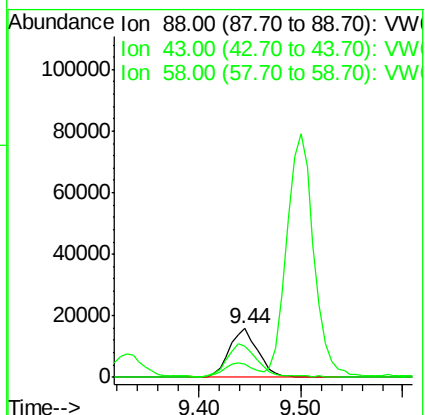
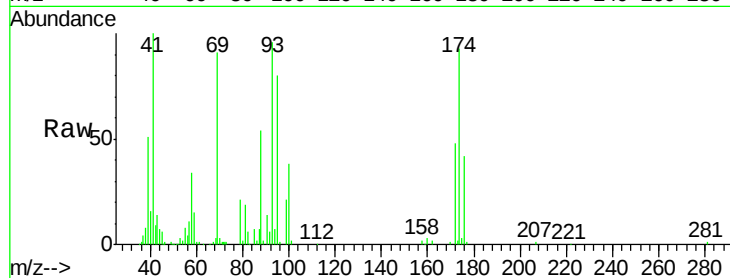
Tgt Ion: 88 Resp: 30974

Ion Ratio Lower Upper

88 100

43 28.6 24.9 37.3

58 73.9 56.9 85.3



#50

Toluene-d8

Concen: 49.910 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014616.D

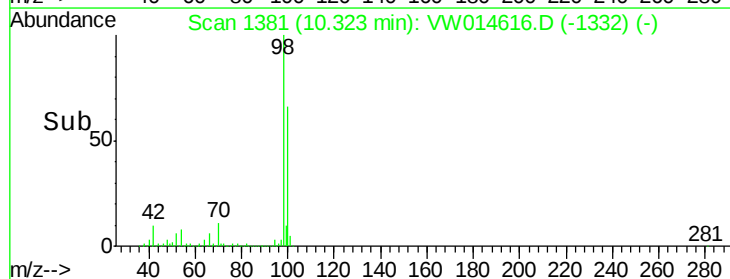
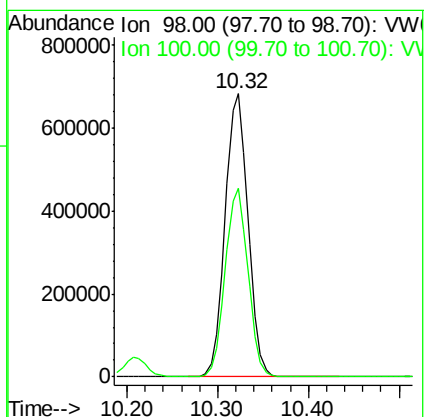
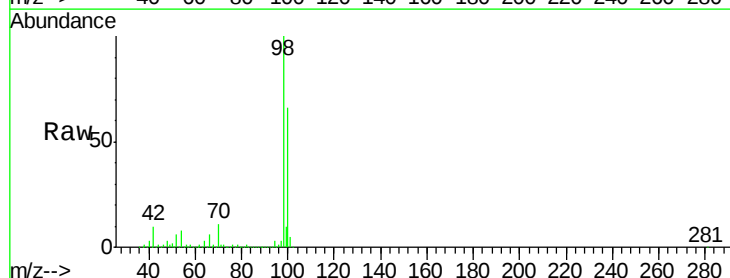
Acq: 13 Jan 2020 11:39

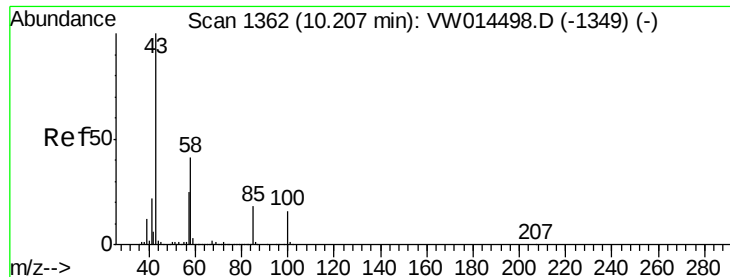
Tgt Ion: 98 Resp: 1197783

Ion Ratio Lower Upper

98 100

100 66.2 53.8 80.6

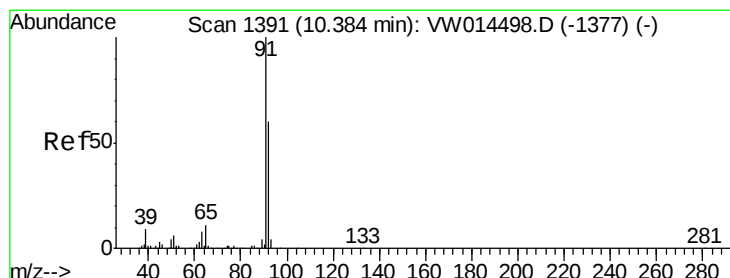
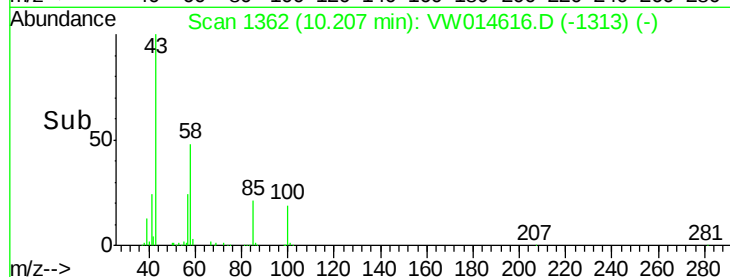
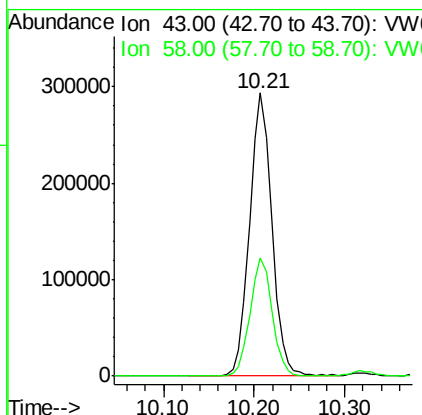
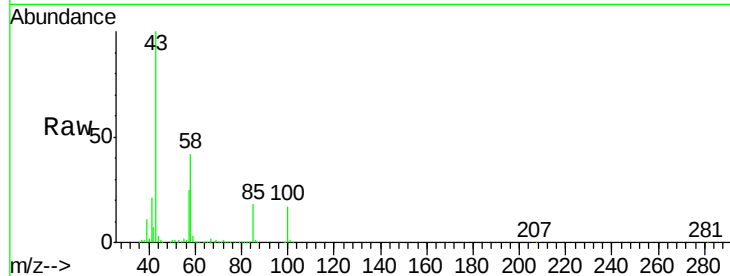




#51
 4-Methyl-2-Pentanone
 Concen: 120.753 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

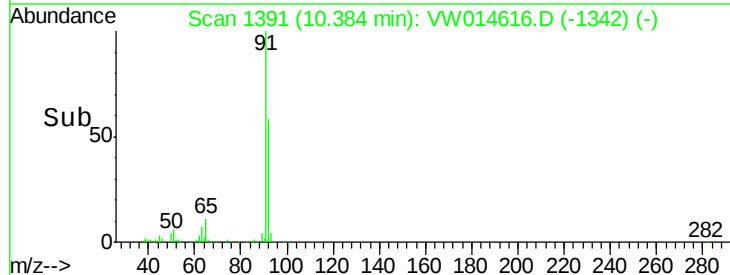
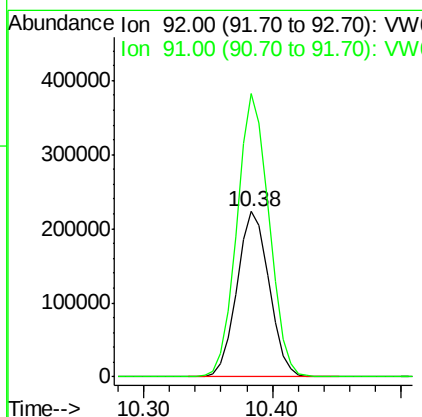
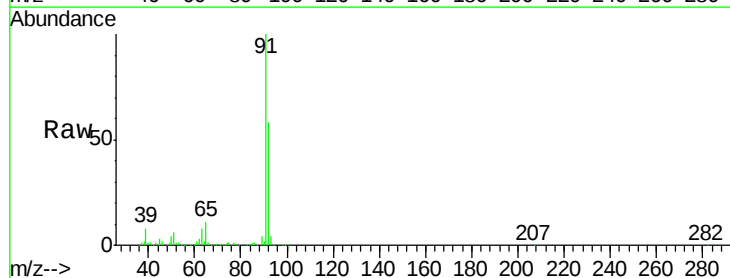
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

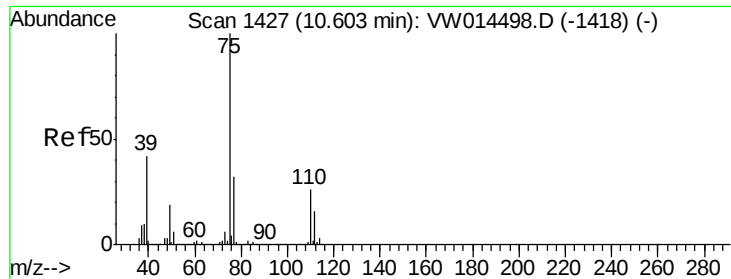
Tgt Ion: 43 Resp: 500952
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.7 49.1



#52
 Toluene
 Concen: 22.381 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 92 Resp: 386440
 Ion Ratio Lower Upper
 92 100
 91 170.0 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 22.233 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

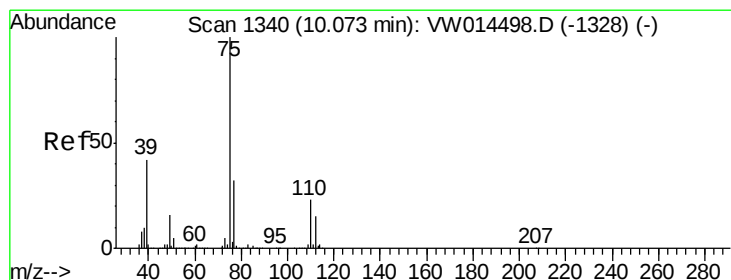
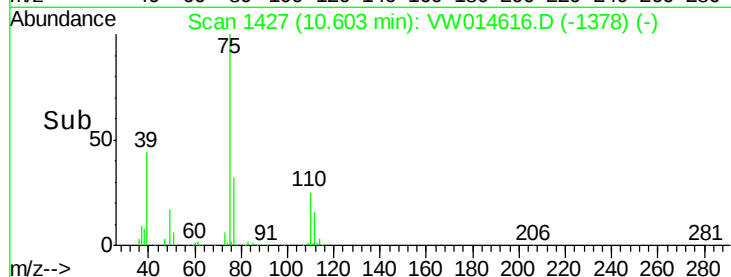
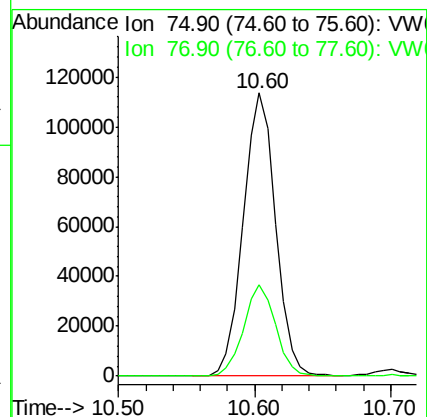
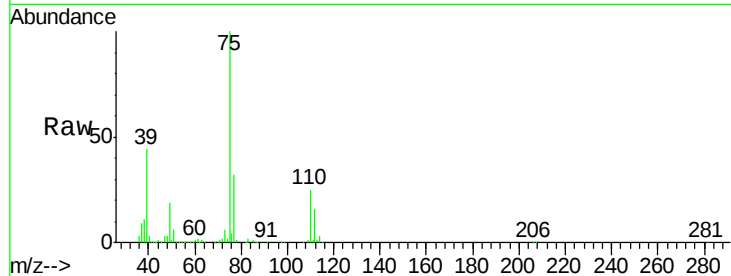
VW0113SBS01

Tgt Ion: 75 Resp: 188953

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.975 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

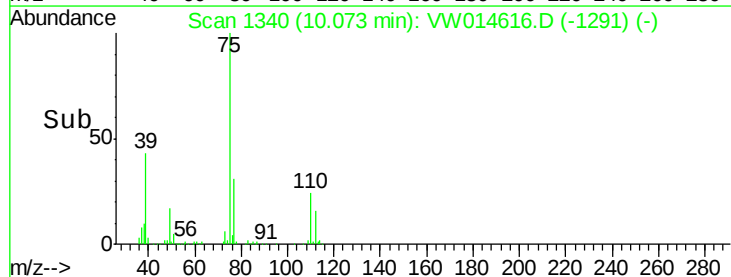
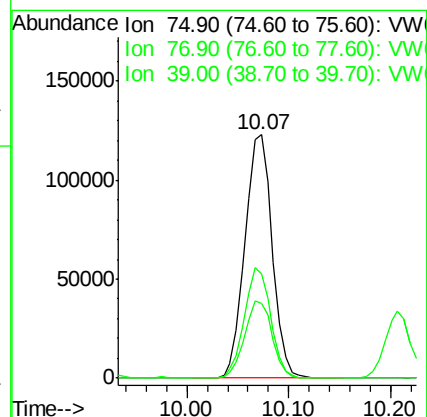
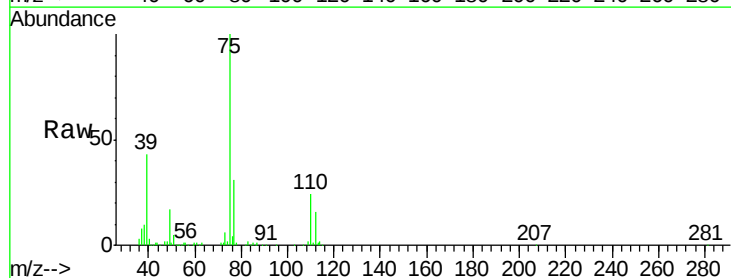
Tgt Ion: 75 Resp: 228253

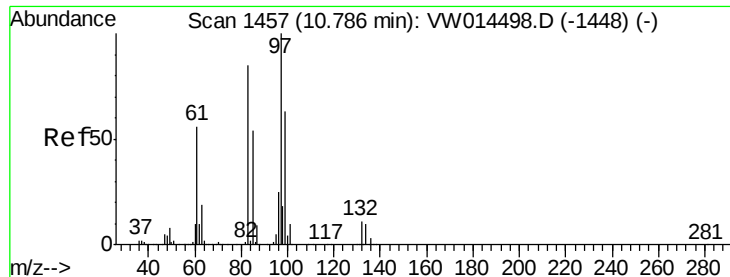
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 42.8 33.4 50.2

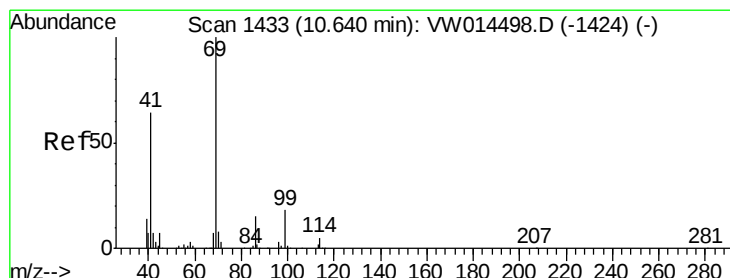
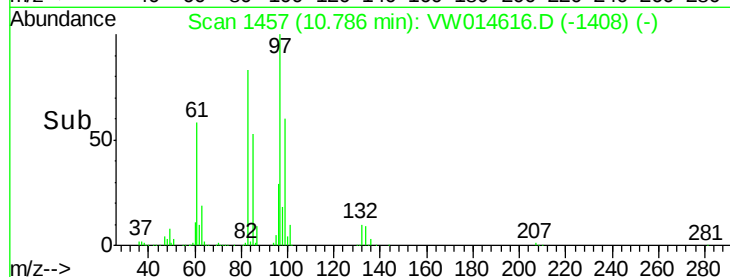
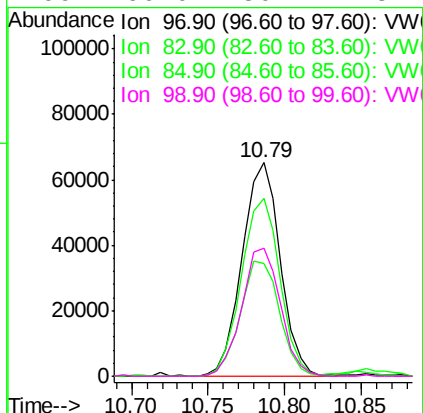
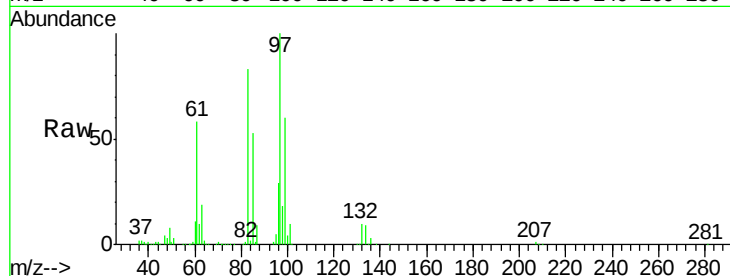




#55
 1,1,2-Trichloroethane
 Concen: 23.167 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

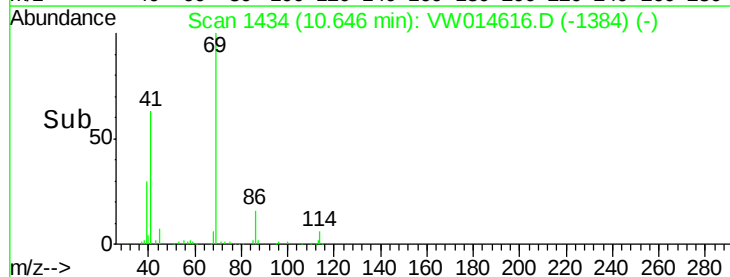
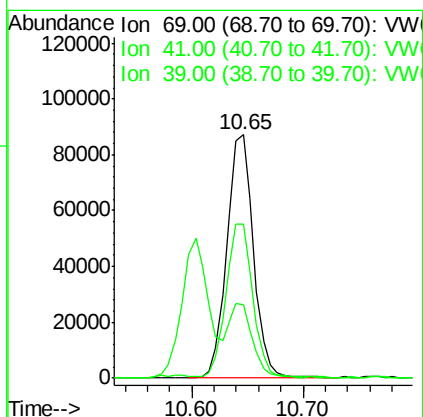
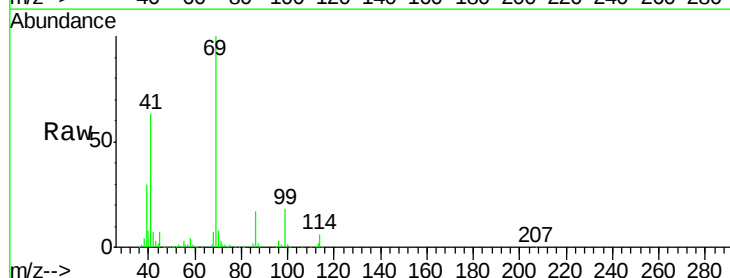
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113BSD01

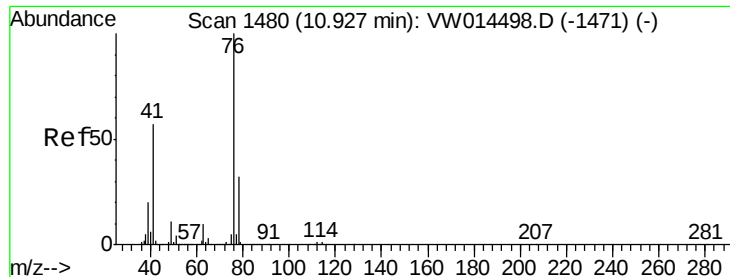
Tgt Ion:	97	Resp:	112493
Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.2	102.4
85	52.8	43.0	64.4
99	60.0	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 22.824 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion:	69	Resp:	144029
Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.3	76.9
39	26.6	21.0	31.6

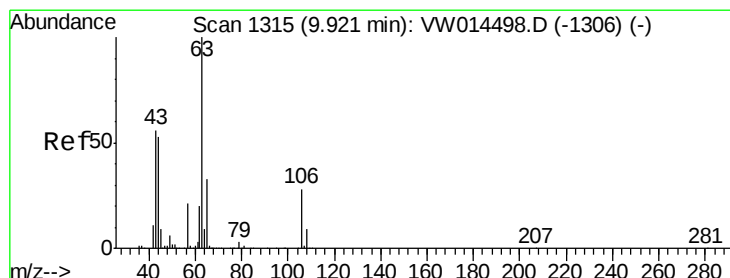
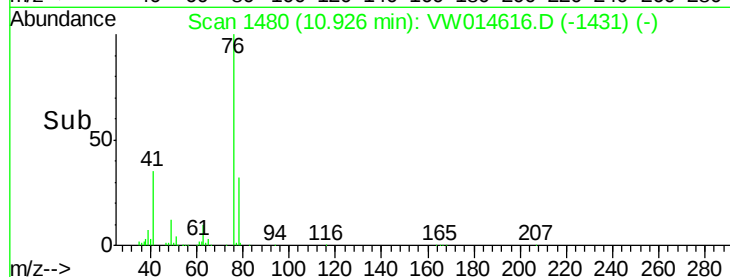
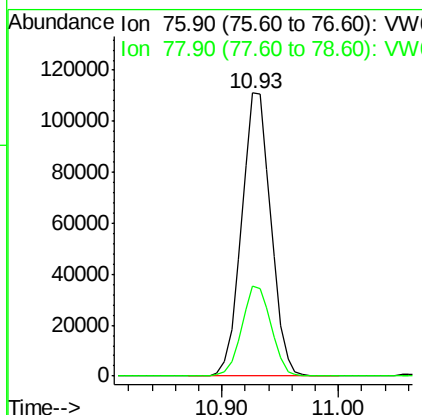
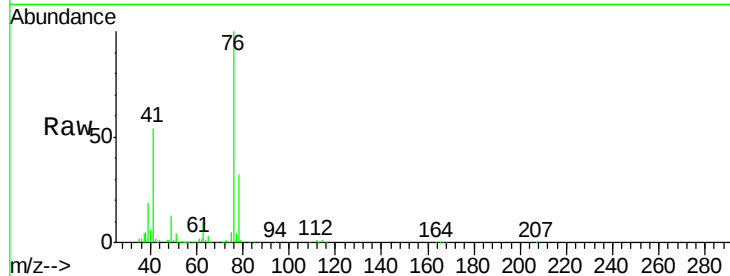




#57
 1,3-Dichloropropane
 Concen: 22.912 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

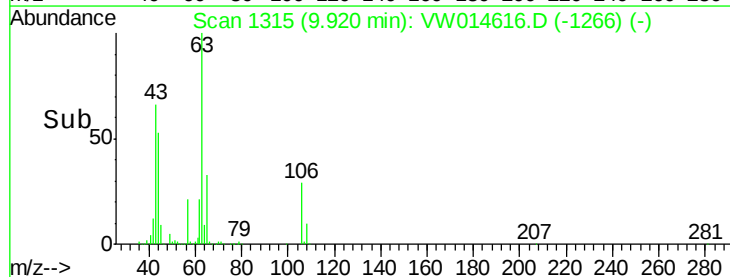
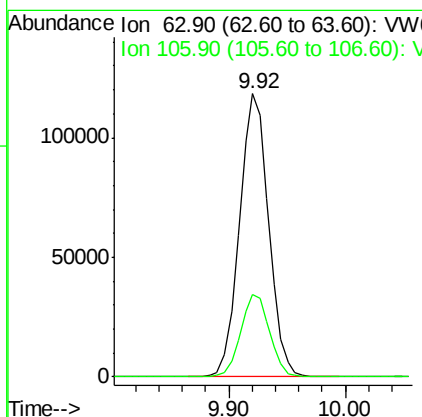
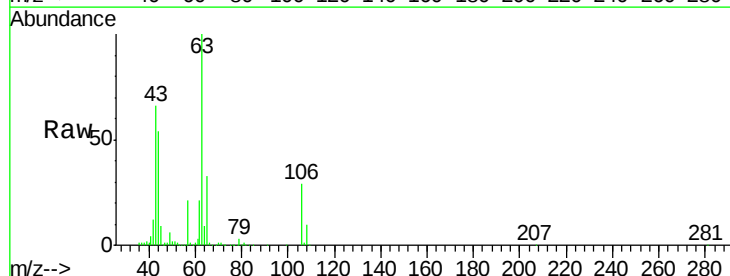
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

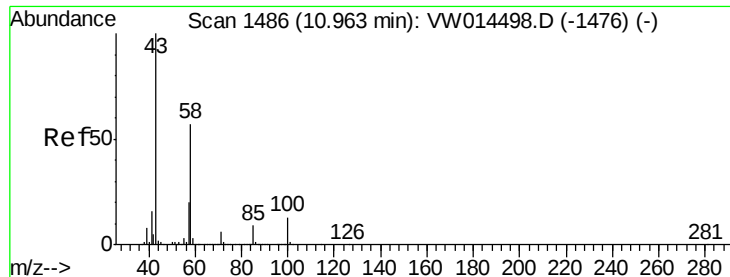
Tgt Ion: 76 Resp: 195534
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.415 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 63 Resp: 206155
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.0 34.6

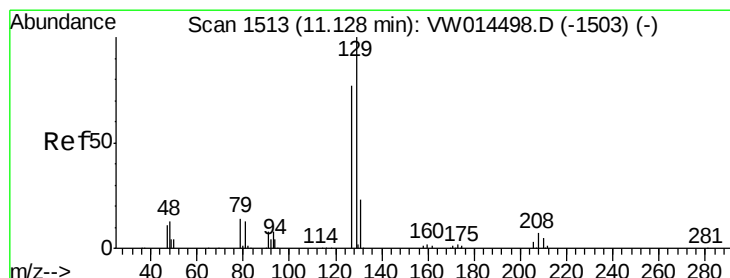
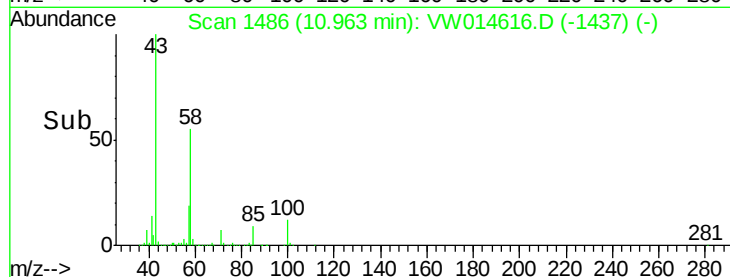
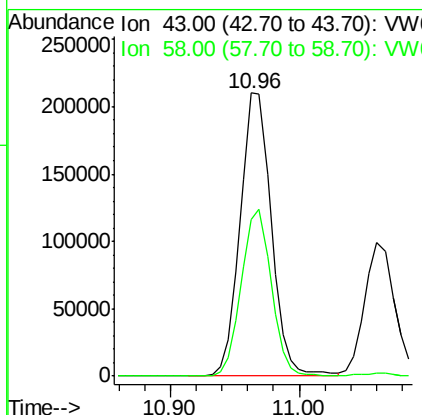
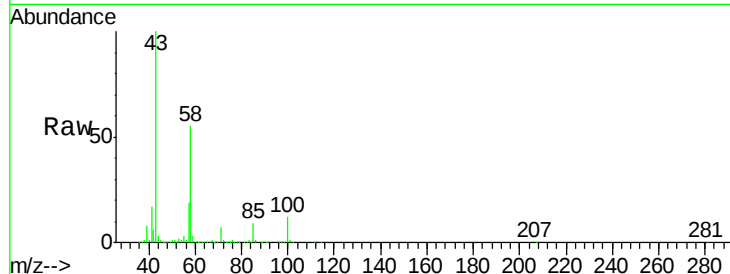




#59
2-Hexanone
Concen: 123.536 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

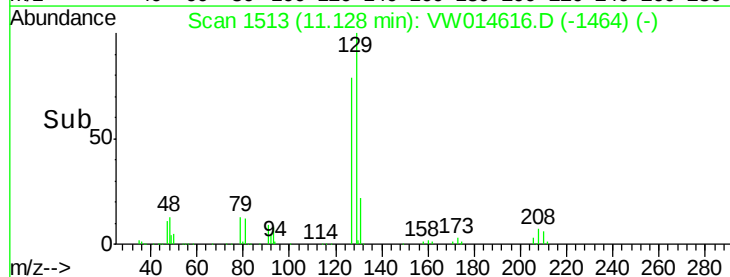
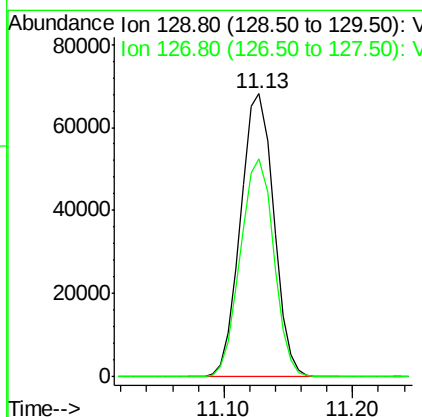
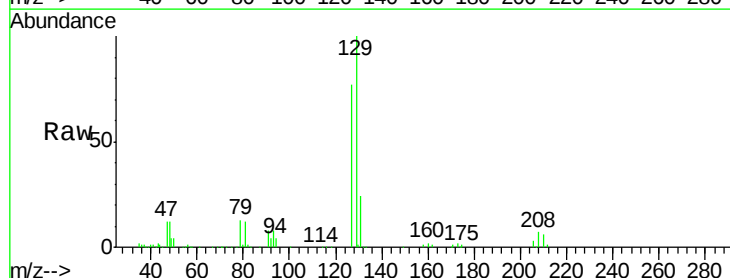
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

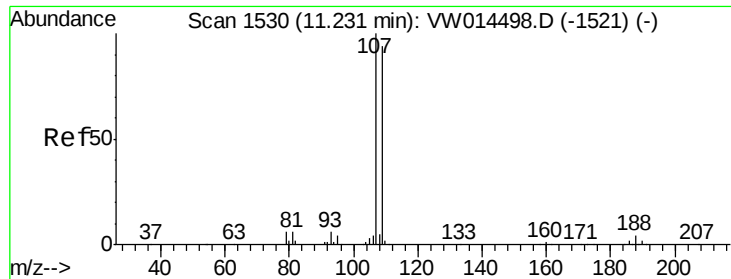
Tgt Ion: 43 Resp: 353157
Ion Ratio Lower Upper
43 100
58 56.7 28.7 86.3



#60
Dibromochloromethane
Concen: 22.271 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion: 129 Resp: 122017
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.5

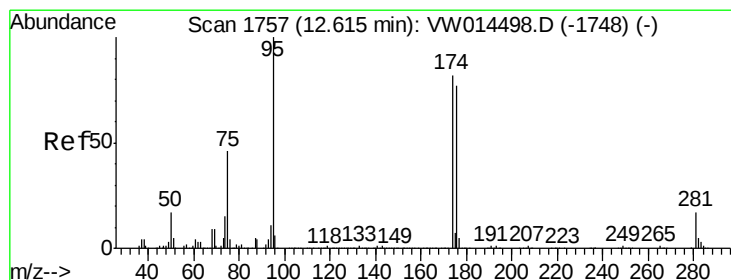
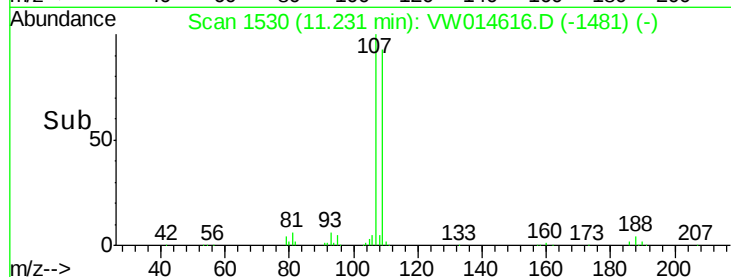
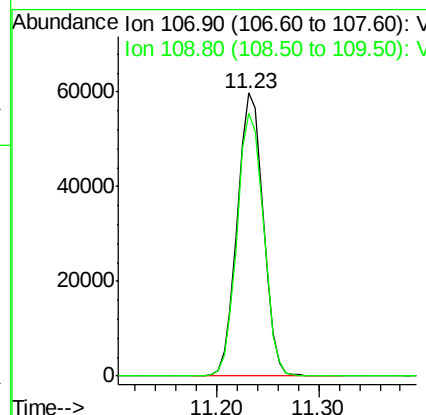
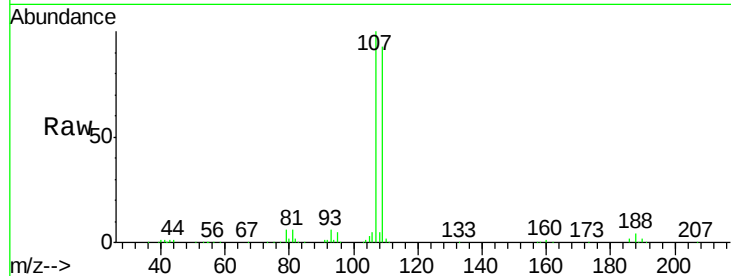




#61
 1,2-Dibromoethane
 Concen: 22.805 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

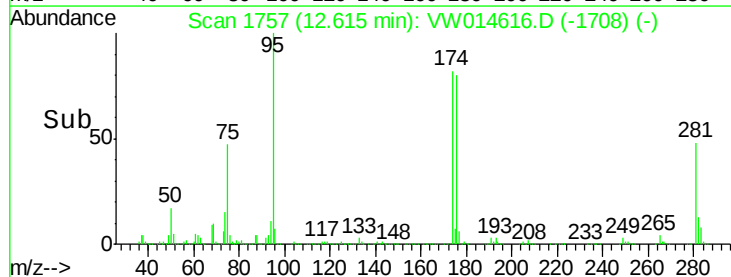
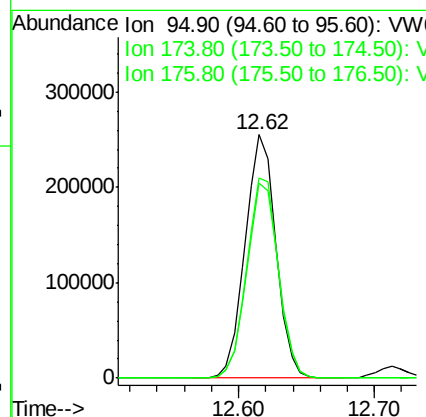
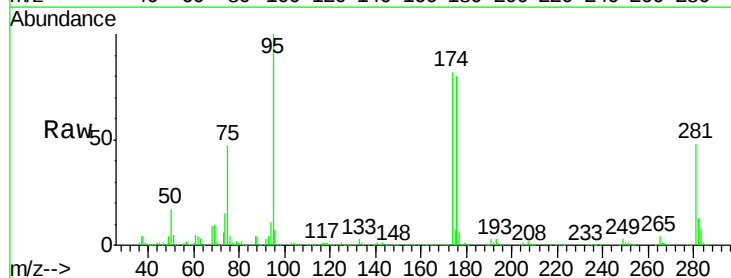
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

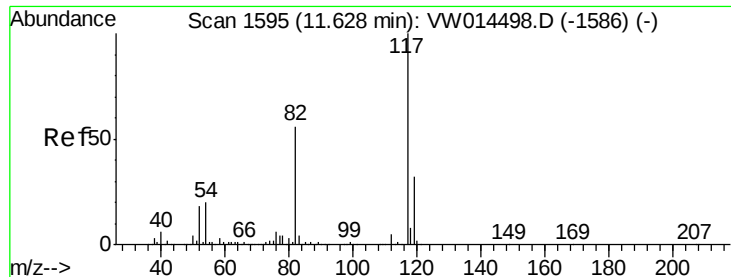
Tgt Ion: 107 Resp: 105114
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.613 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 95 Resp: 403852
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 168.6
 176 82.4 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: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

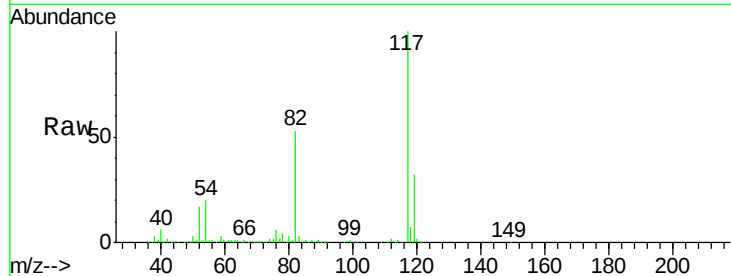
Tgt Ion:117 Resp: 865921

Ion Ratio Lower Upper

117 100

82 53.0 44.6 67.0

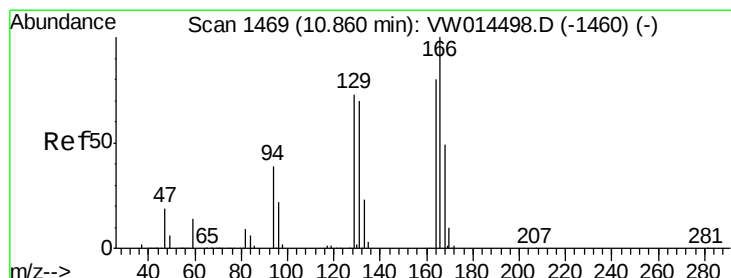
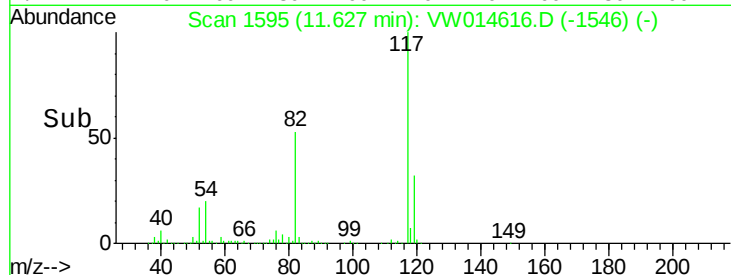
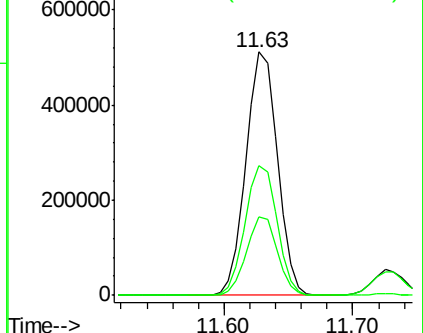
119 32.4 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 22.367 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:164 Resp: 140215

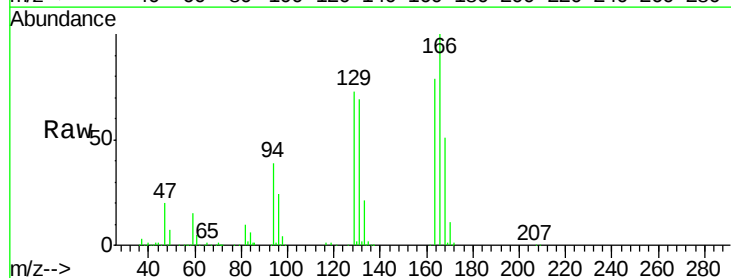
Ion Ratio Lower Upper

164 100

166 126.8 99.8 149.6

129 92.5 72.4 108.6

131 87.8 70.1 105.1

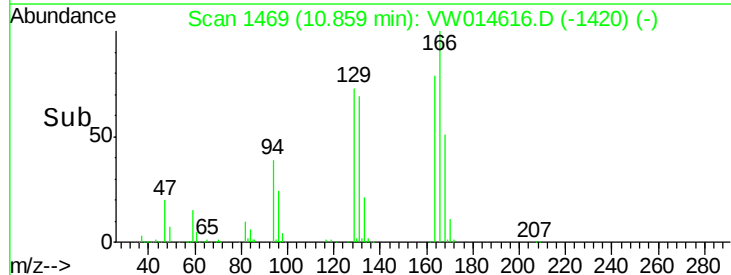
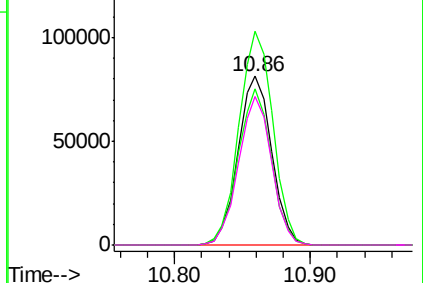


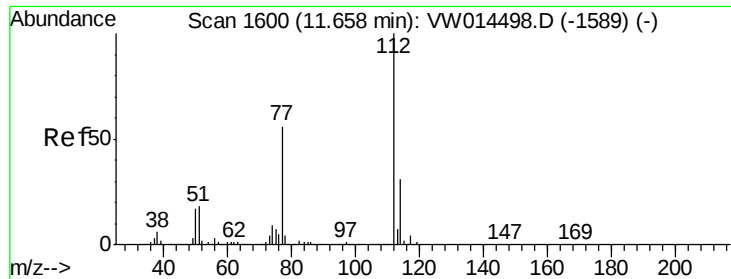
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

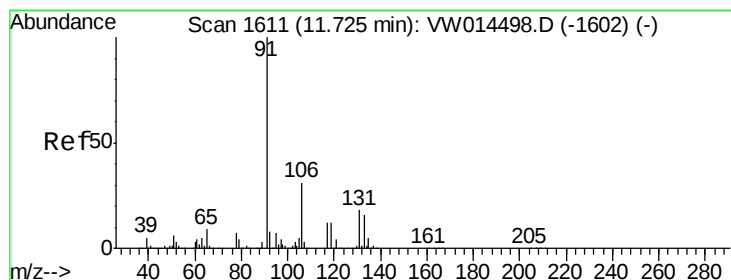
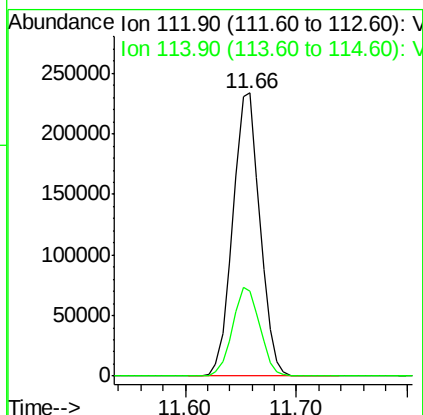
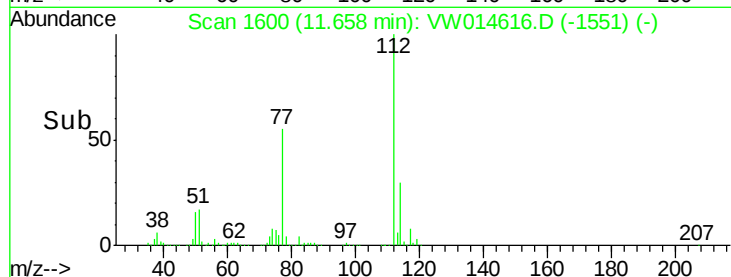
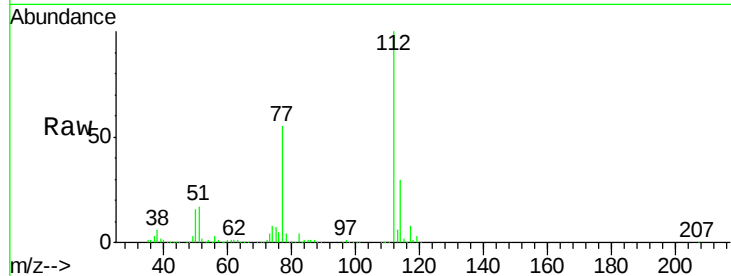




#65
Chlorobenzene
Concen: 22.259 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

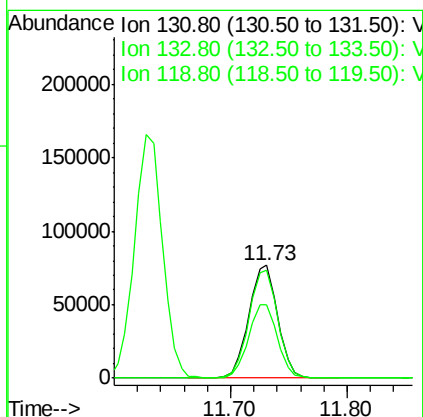
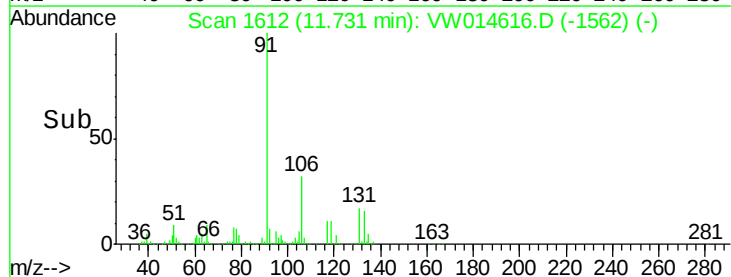
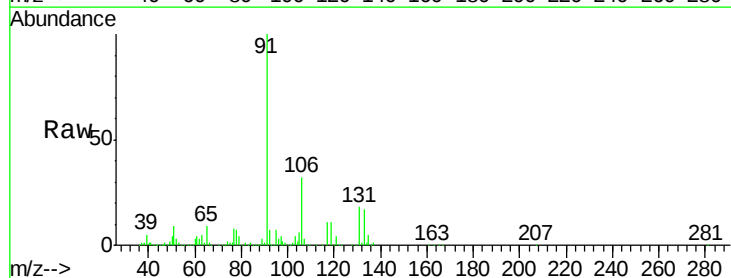
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

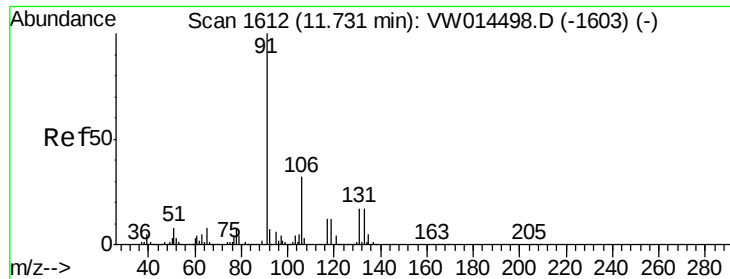
Tgt Ion:112 Resp: 394874
Ion Ratio Lower Upper
112 100
114 30.1 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.177 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion:131 Resp: 132461
Ion Ratio Lower Upper
131 100
133 96.3 47.3 142.0
119 65.5 33.1 99.3





#67

Ethyl Benzene

Concen: 22.288 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

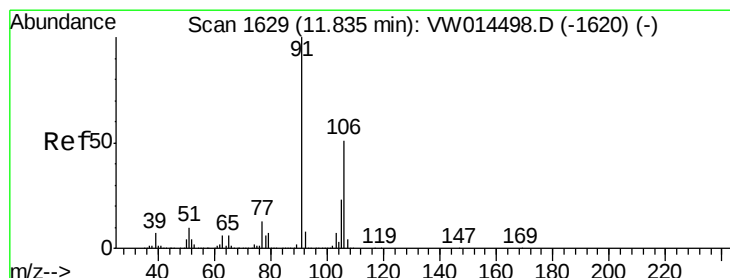
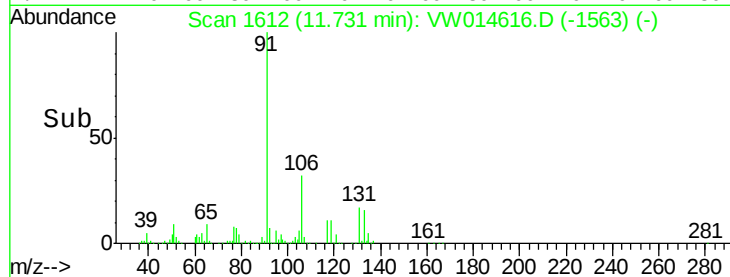
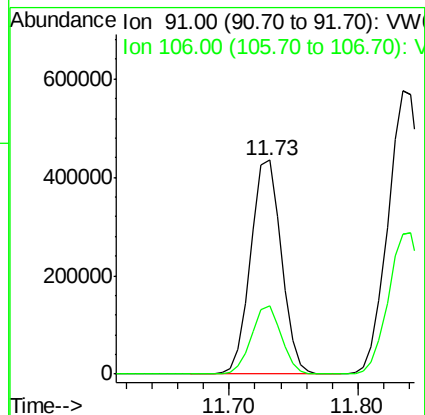
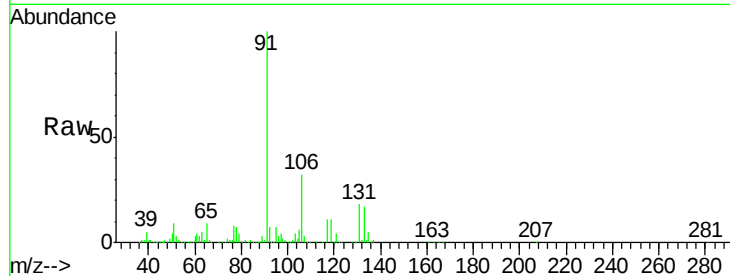
VW0113SBSD01

Tgt Ion: 91 Resp: 712559

Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3



#68

m/p-Xylenes

Concen: 44.562 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014616.D

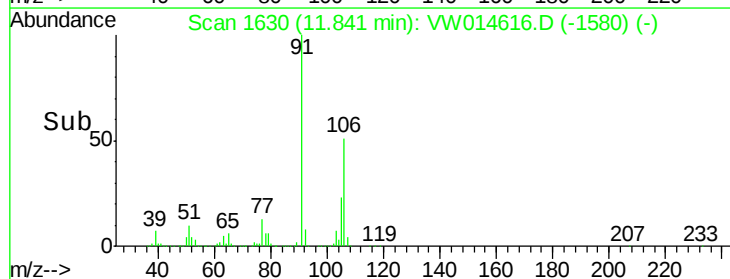
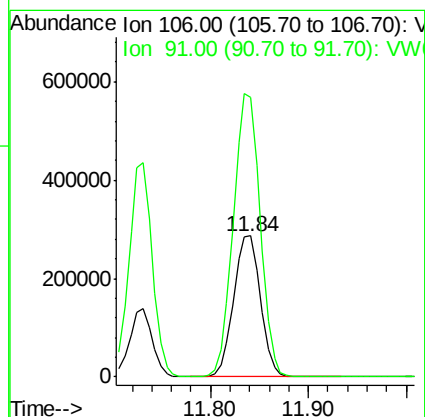
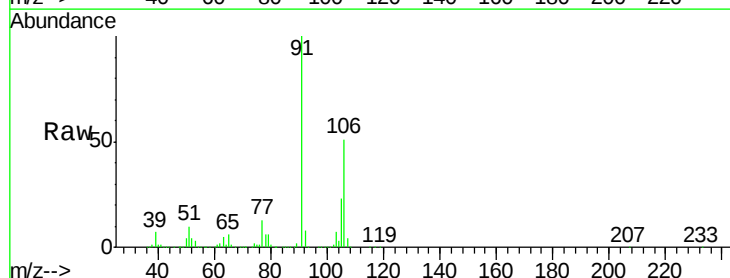
Acq: 13 Jan 2020 11:39

Tgt Ion: 106 Resp: 545253

Ion Ratio Lower Upper

106 100

91 201.0 159.0 238.6

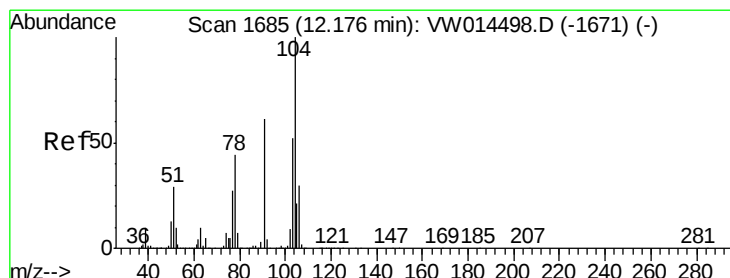
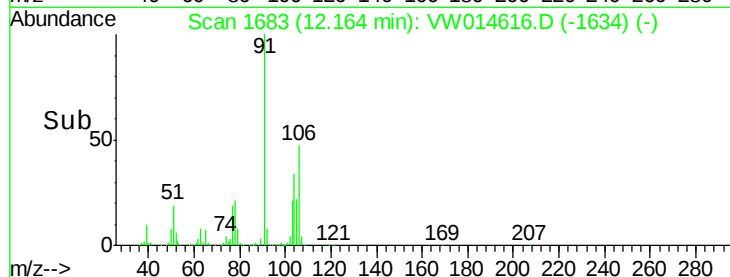
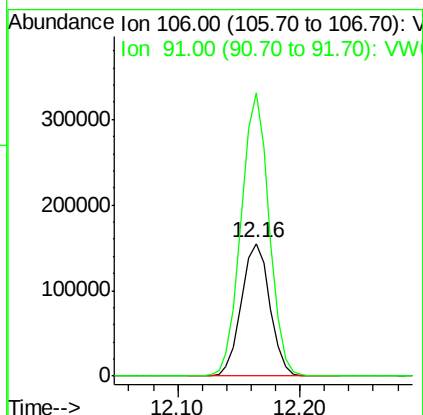
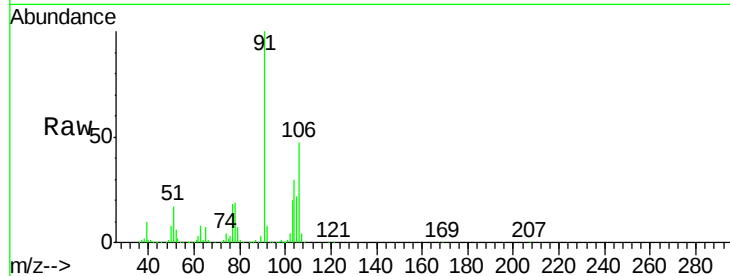




#69
o-Xylene
Concen: 22.187 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

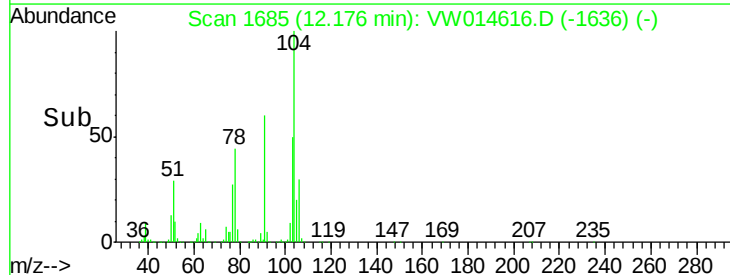
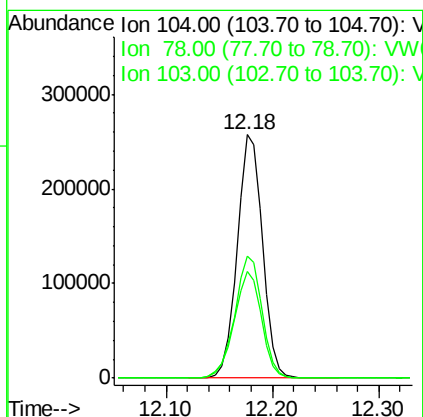
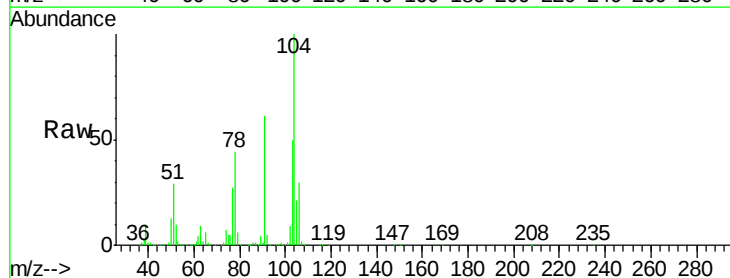
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

Tgt Ion:106 Resp: 250771
Ion Ratio Lower Upper
106 100
91 209.0 105.2 315.6



#70
Styrene
Concen: 22.487 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion:104 Resp: 429882
Ion Ratio Lower Upper
104 100
78 47.2 38.4 57.6
103 54.0 43.7 65.5





#71

Bromoform

Concen: 23.337 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

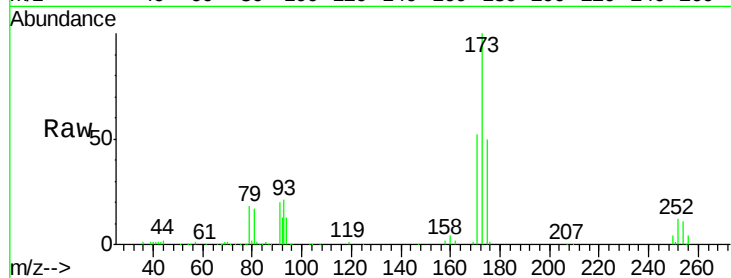
Tgt Ion:173 Resp: 76032

Ion Ratio Lower Upper

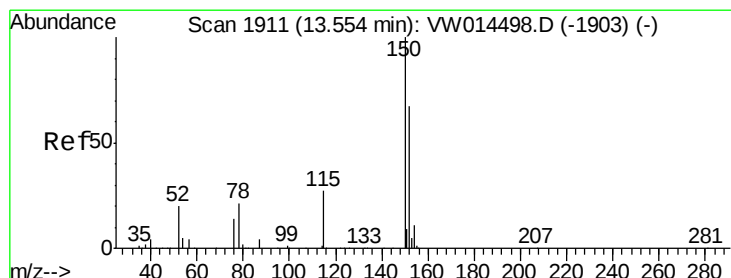
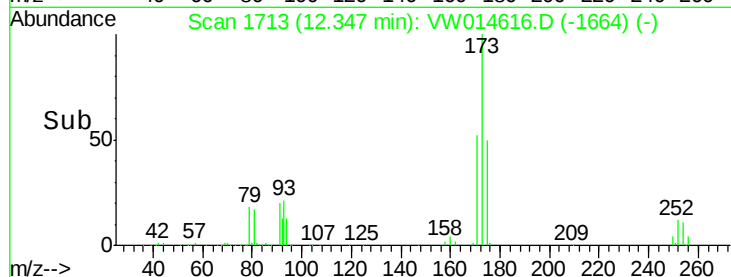
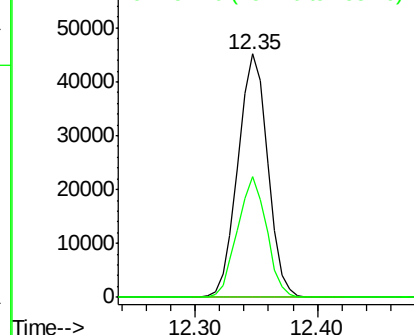
173 100

175 48.6 24.5 73.5

254 0.2 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: VW014616.D

Acq: 13 Jan 2020 11:39

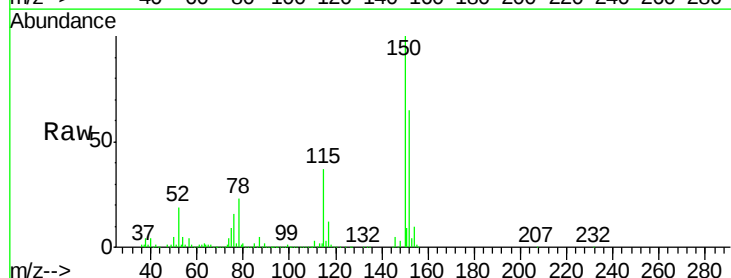
Tgt Ion:152 Resp: 428430

Ion Ratio Lower Upper

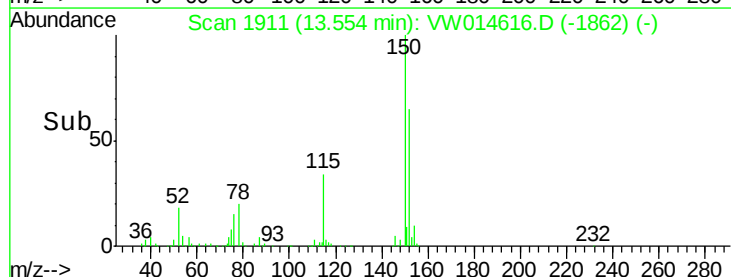
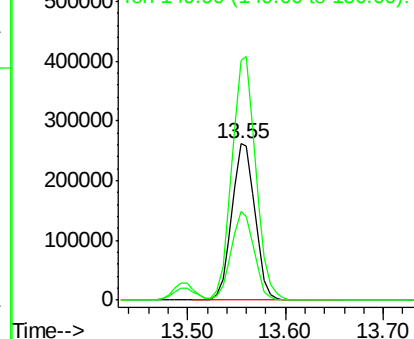
152 100

115 55.5 27.7 83.1

150 161.1 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: 21.977 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

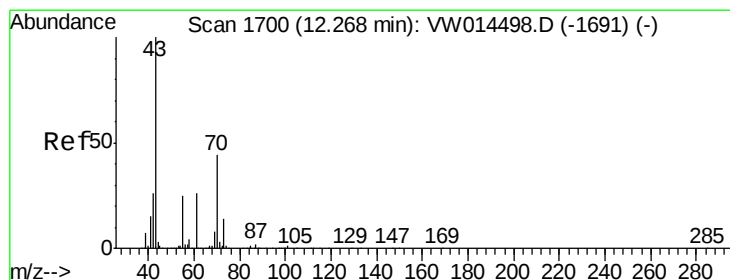
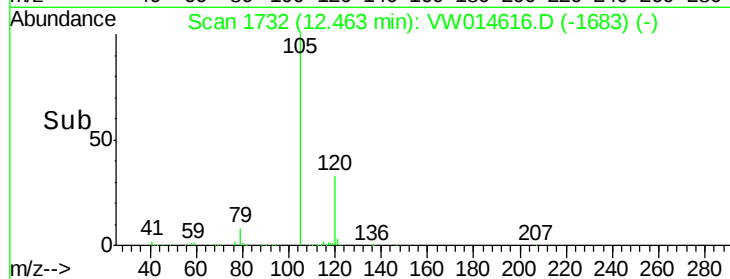
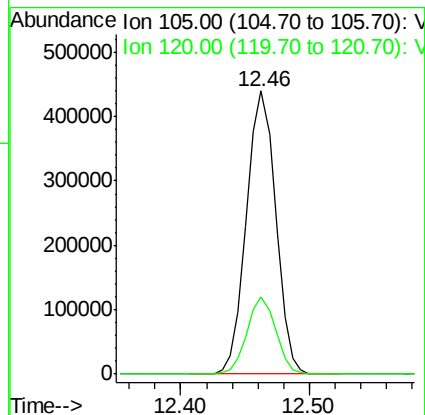
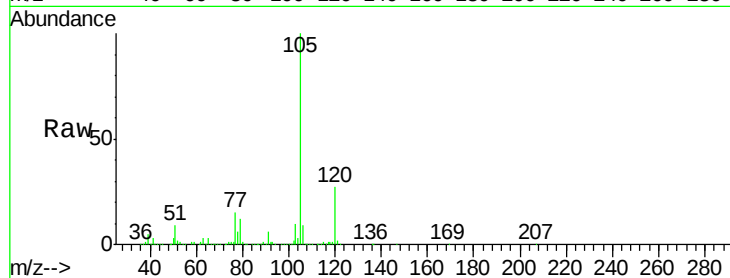
VW0113SBSD01

Tgt Ion:105 Resp: 690885

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 22.507 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion: 43 Resp: 158646

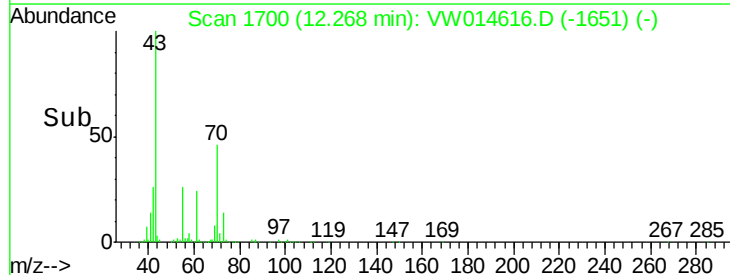
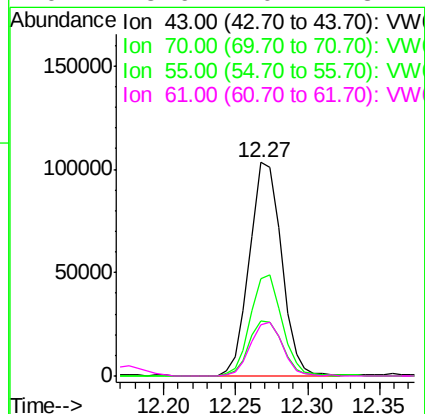
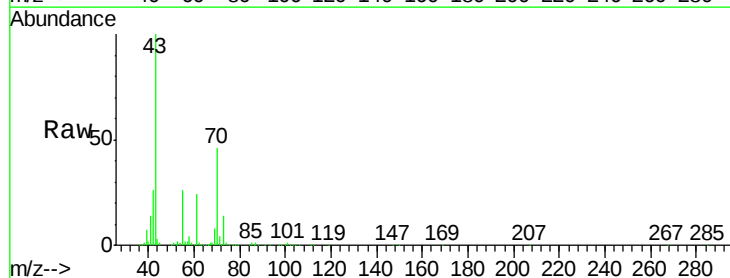
Ion Ratio Lower Upper

43 100

70 46.9 36.5 54.7

55 27.1 20.9 31.3

61 25.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.583 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

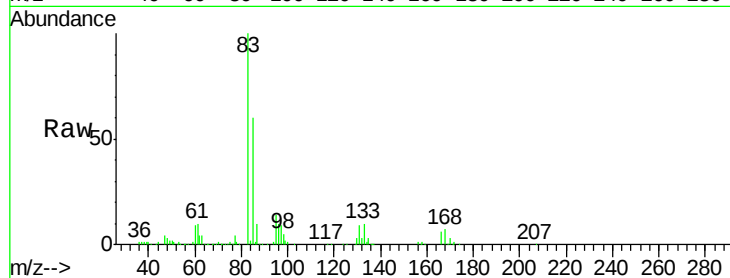
Tgt Ion: 83 Resp: 133814

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

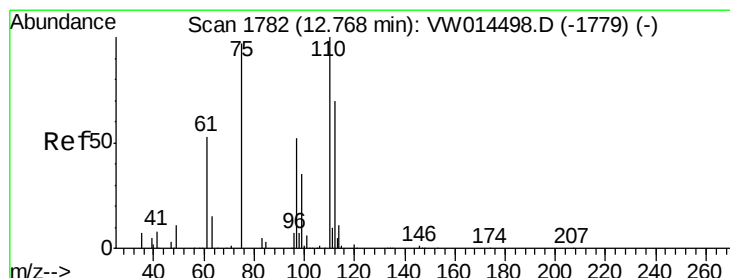
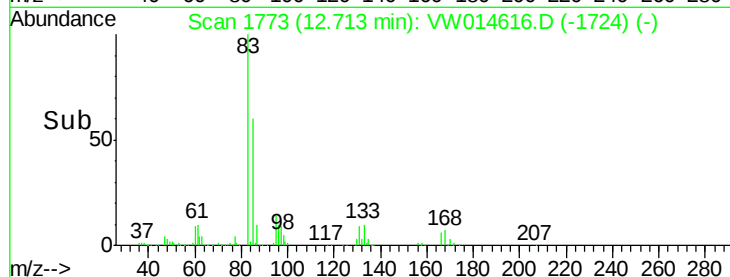
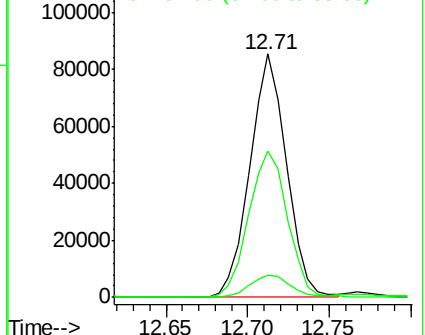
85 63.4 31.9 95.7



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: 41.491 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014616.D

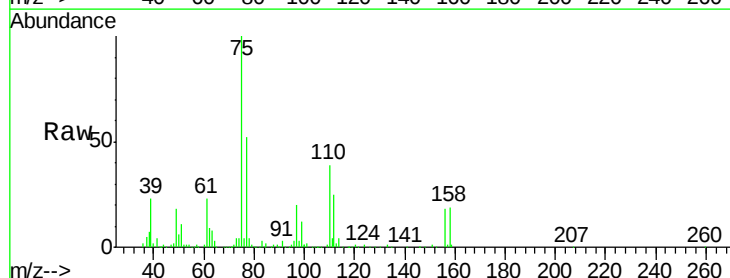
Acq: 13 Jan 2020 11:39

Tgt Ion: 75 Resp: 168071

Ion Ratio Lower Upper

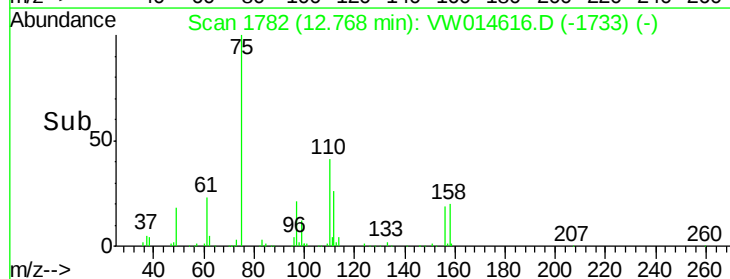
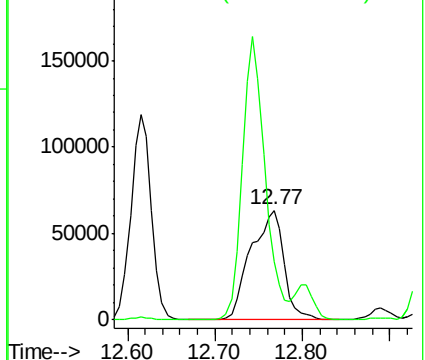
75 100

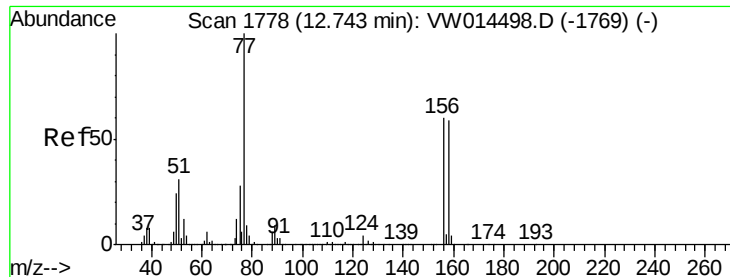
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.343 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

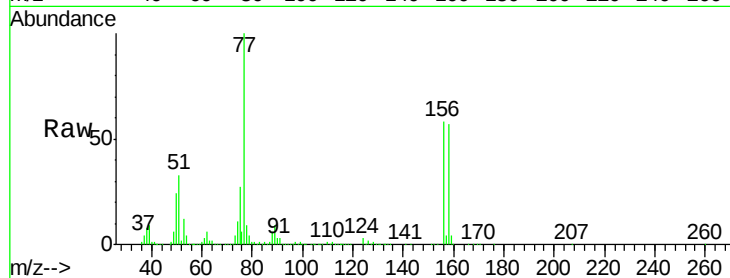
Tgt Ion:156 Resp: 163130

Ion Ratio Lower Upper

156 100

77 183.0 92.3 277.1

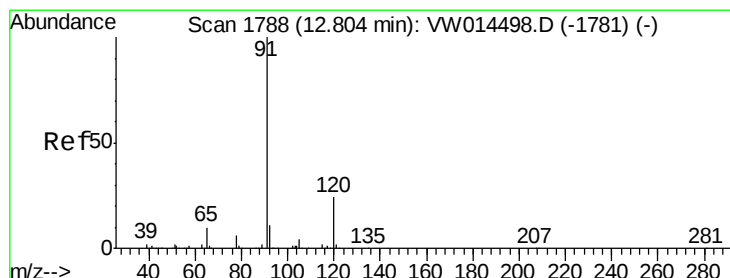
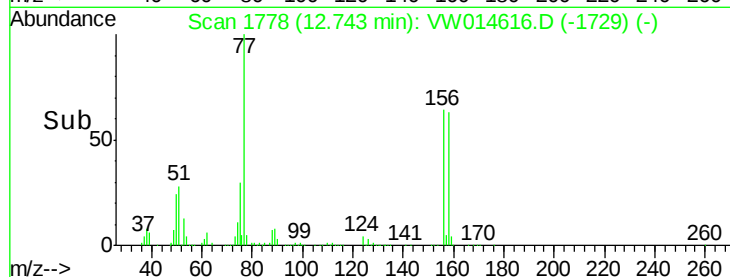
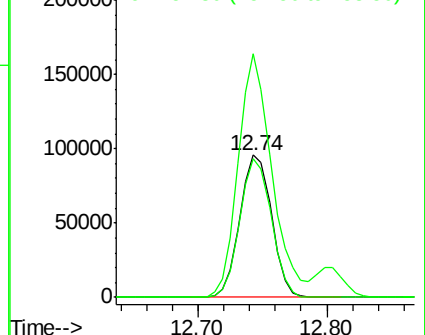
158 96.9 48.6 145.9



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: 22.478 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014616.D

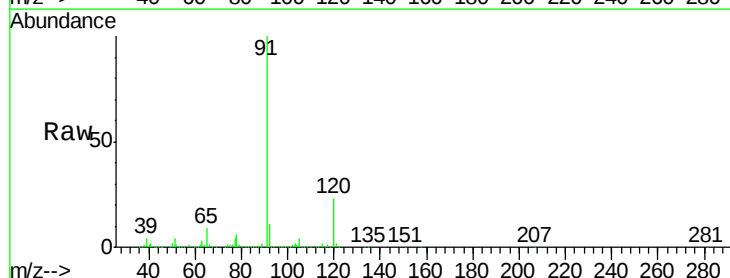
Acq: 13 Jan 2020 11:39

Tgt Ion: 91 Resp: 830907

Ion Ratio Lower Upper

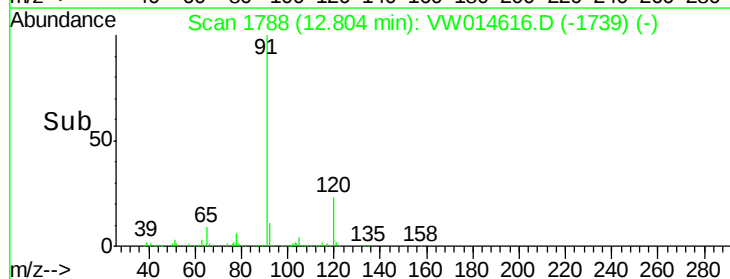
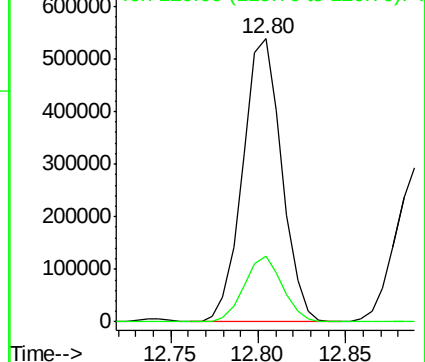
91 100

120 22.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

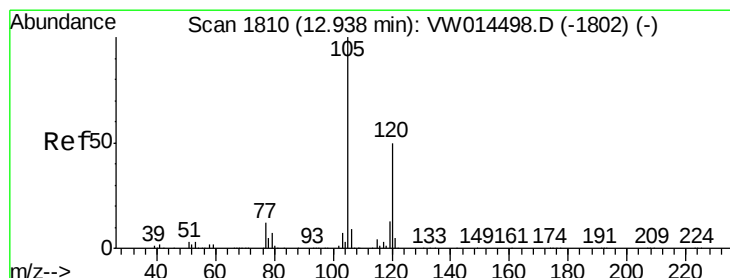
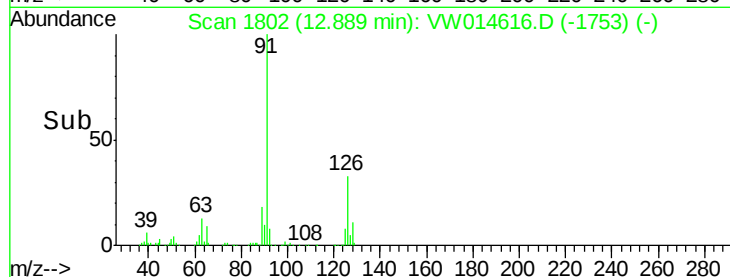
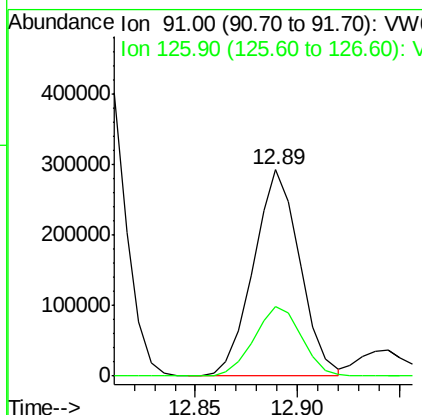
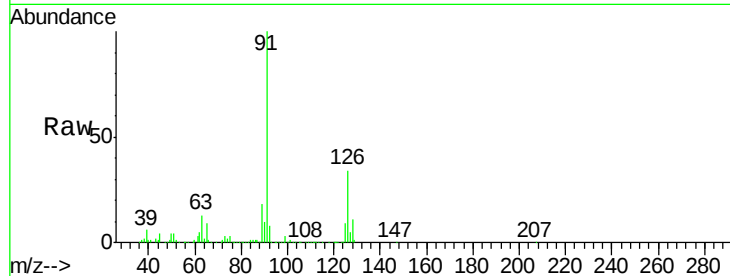




#79
 2-Chlorotoluene
 Concen: 21.965 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

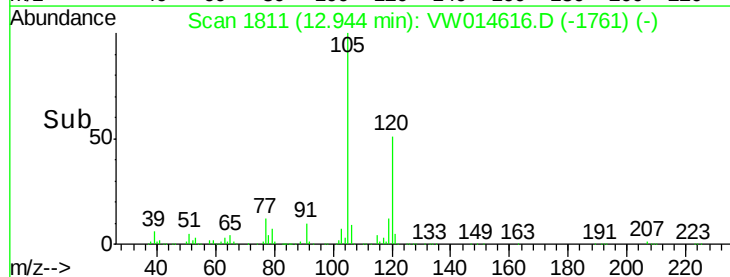
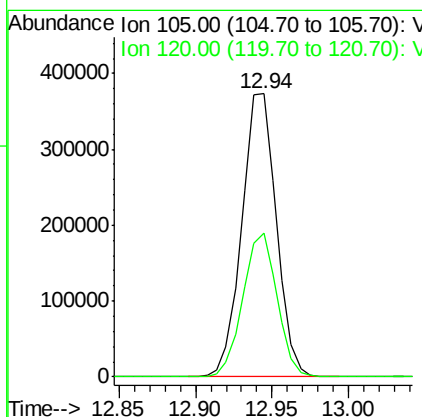
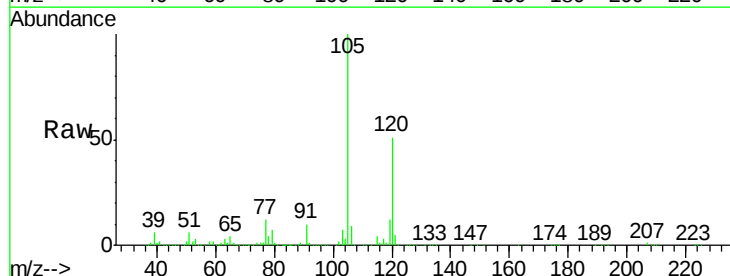
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

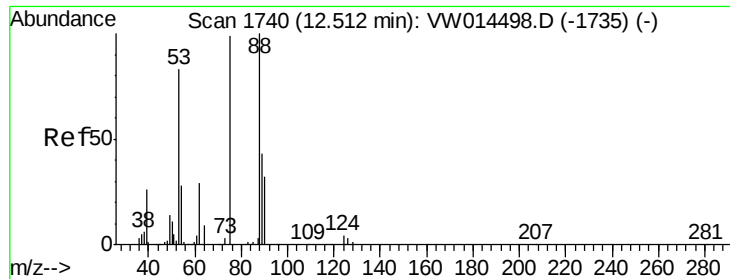
Tgt Ion: 91 Resp: 462063
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.179 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 105 Resp: 585408
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 23.253 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

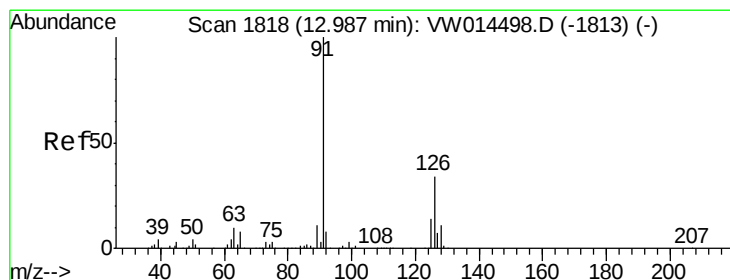
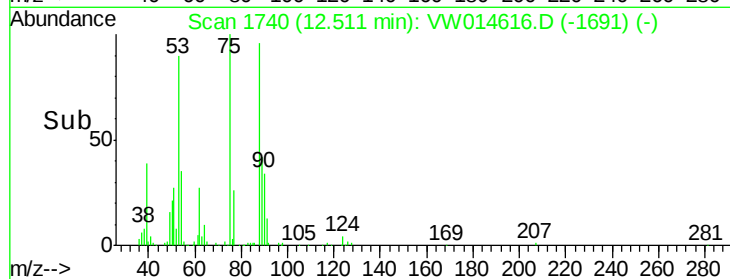
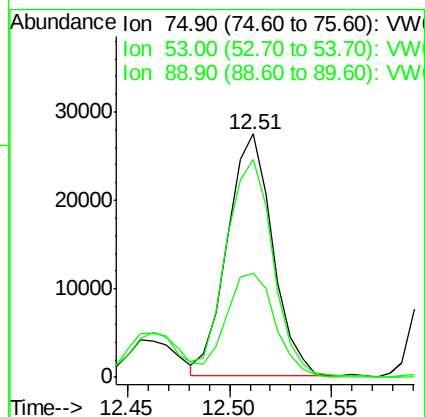
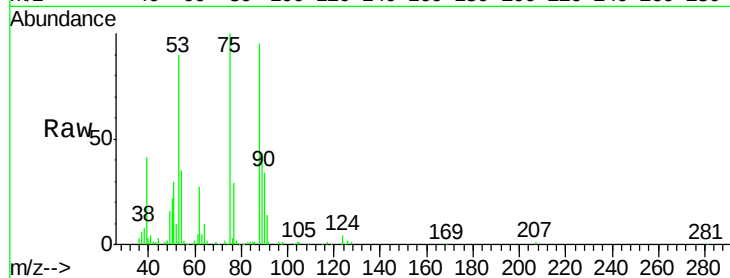
Tgt Ion: 75 Resp: 42275

Ion Ratio Lower Upper

75 100

53 93.5 70.9 106.3

89 45.9 35.8 53.8



#82

4-Chlorotoluene

Concen: 22.015 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014616.D

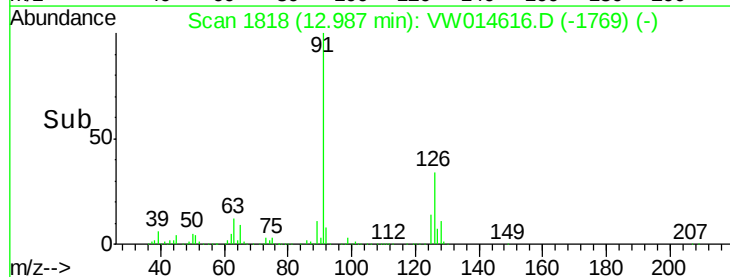
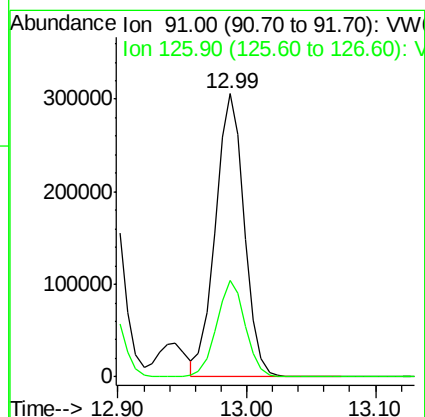
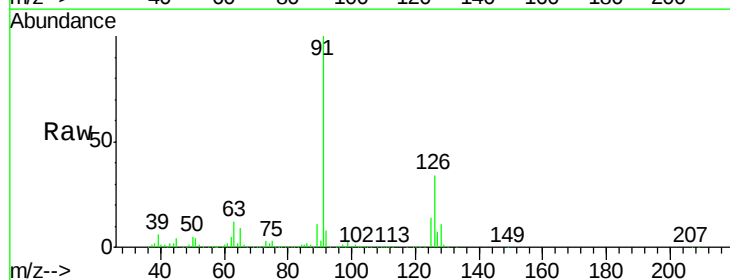
Acq: 13 Jan 2020 11:39

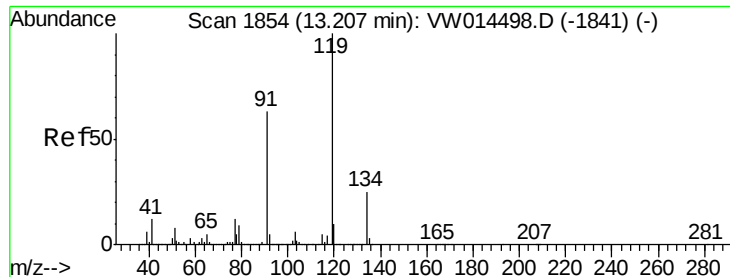
Tgt Ion: 91 Resp: 481152

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2

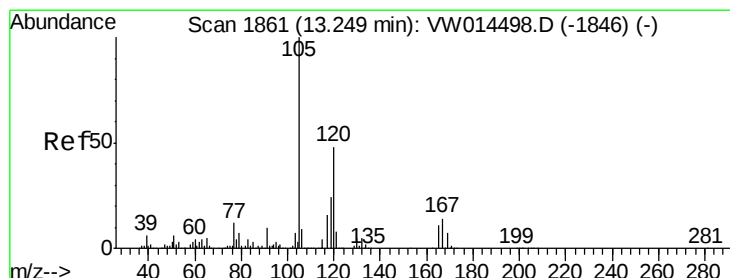
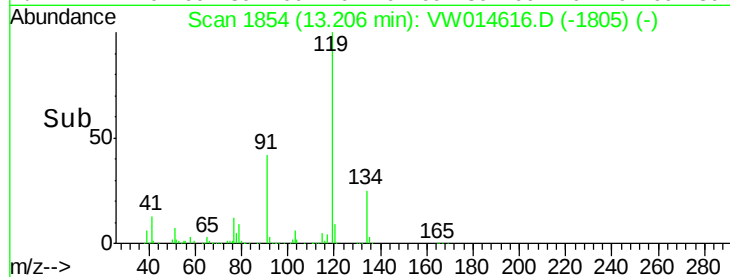
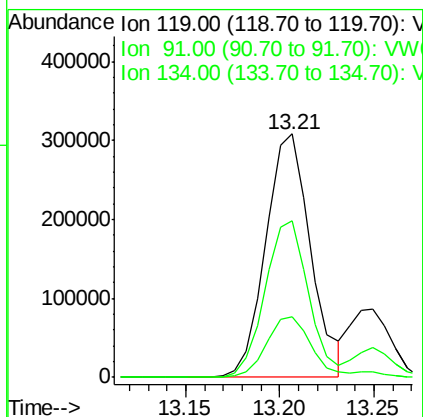
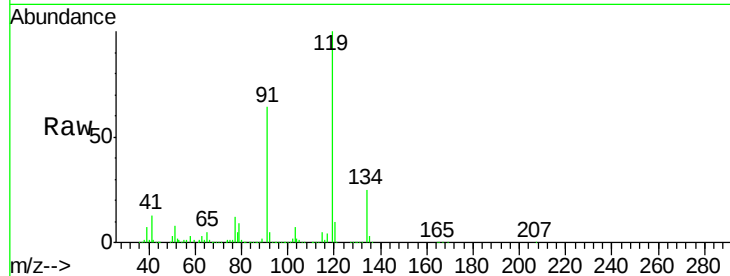




#83
tert-Butylbenzene
Concen: 22.106 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

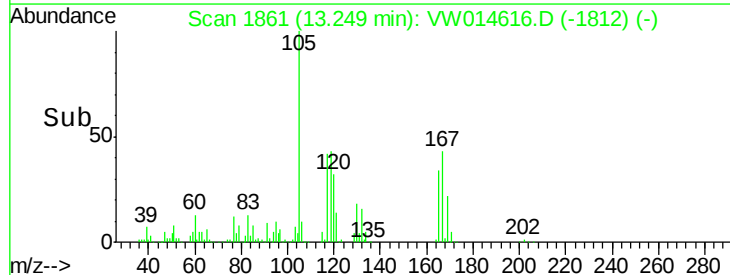
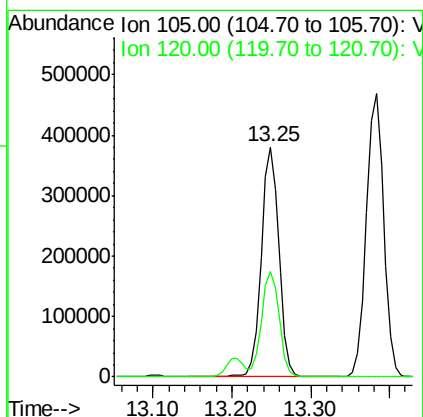
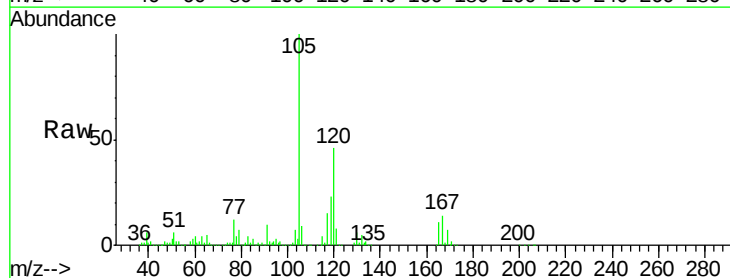
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

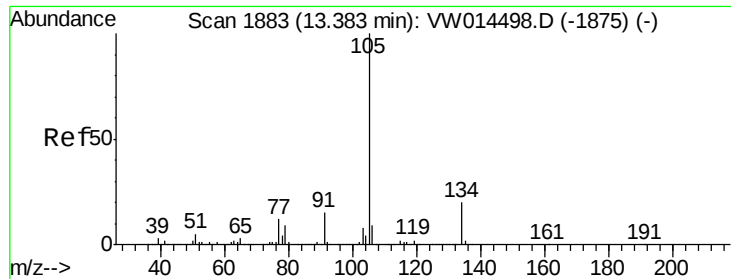
Tgt Ion:119 Resp: 510849
Ion Ratio Lower Upper
119 100
91 62.1 31.1 93.3
134 26.4 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 22.371 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion:105 Resp: 587610
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.0





#85

sec-Butylbenzene

Concen: 22.412 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

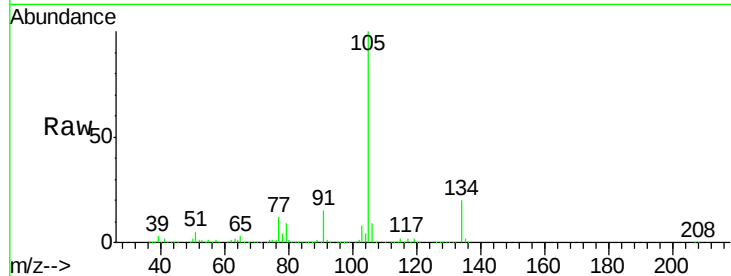
VW0113SBSD01

Tgt Ion:105 Resp: 716919

Ion Ratio Lower Upper

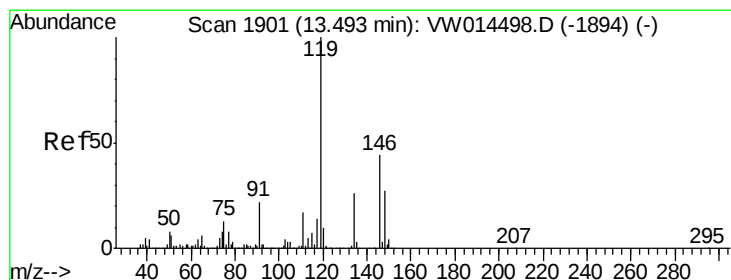
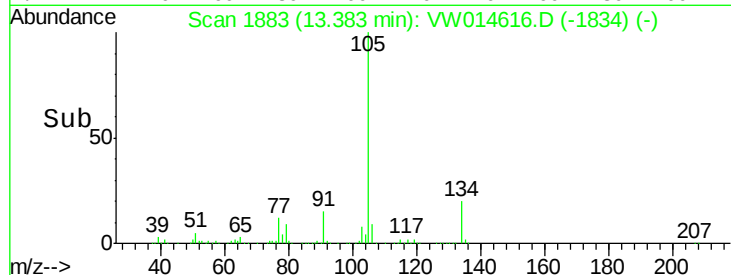
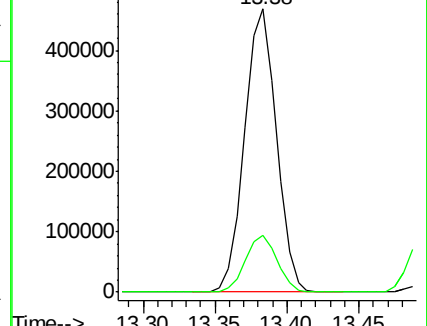
105 100

134 20.2 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.614 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

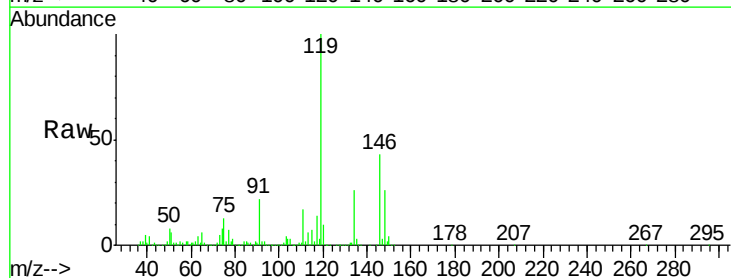
Tgt Ion:119 Resp: 659340

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

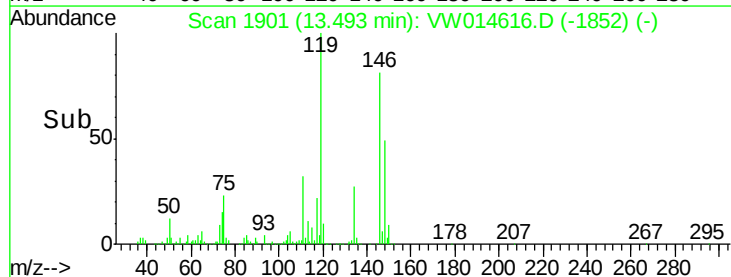
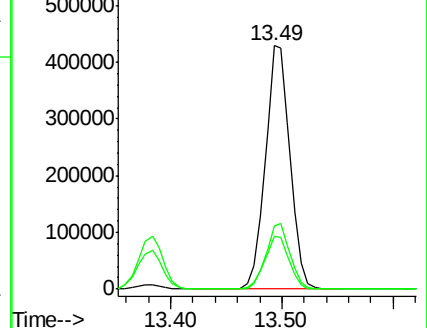
91 21.7 11.1 33.3

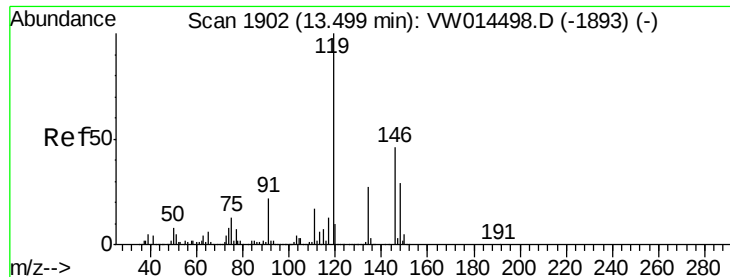


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

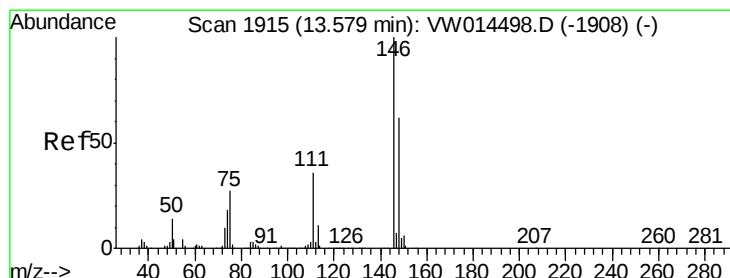
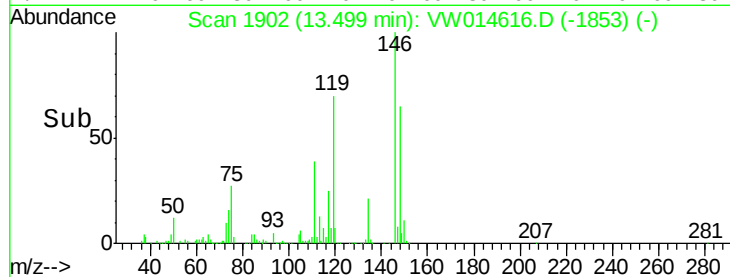
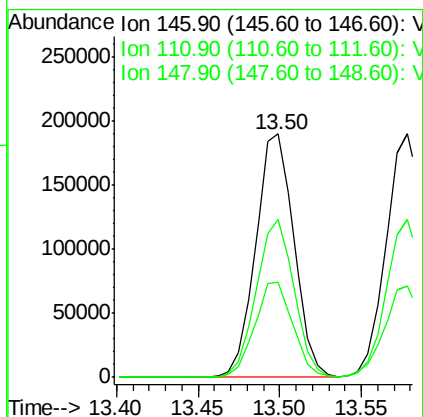
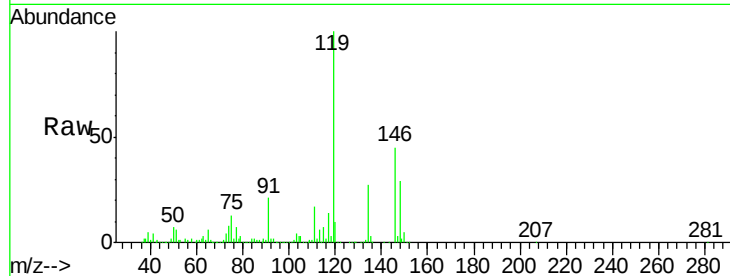




#87
 1,3-Dichlorobenzene
 Concen: 21.799 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

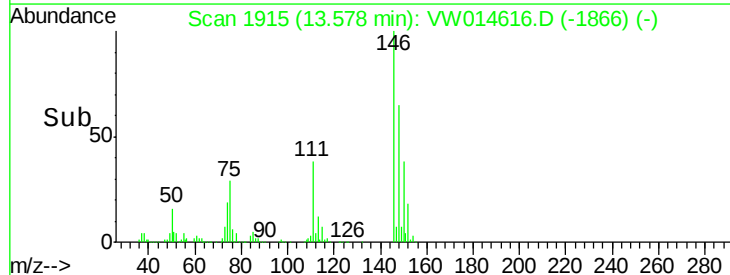
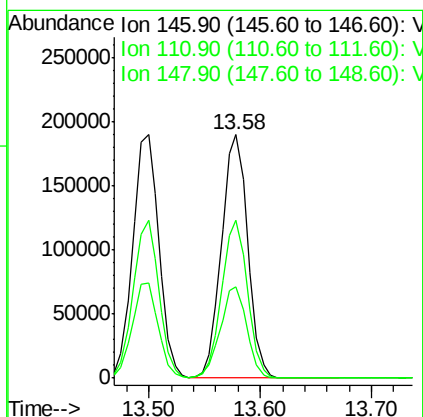
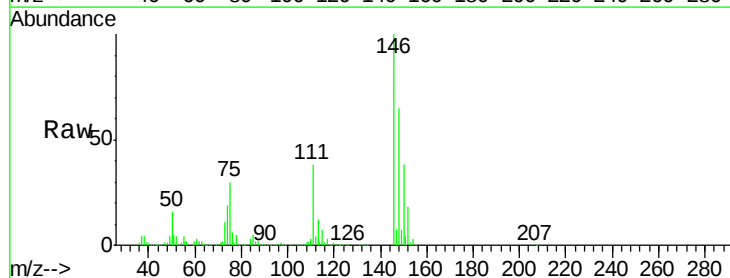
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

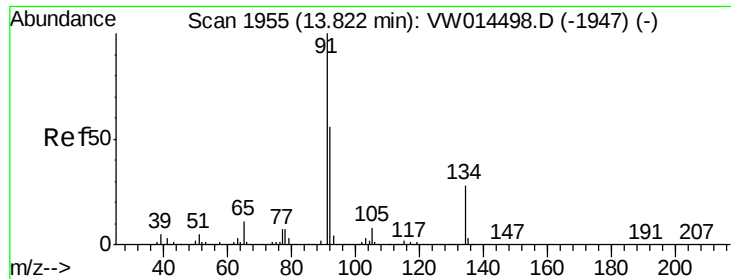
Tgt Ion:146 Resp: 309498
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.9
 148 63.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.980 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion:146 Resp: 308092
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.7 56.1
 148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 22.226 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

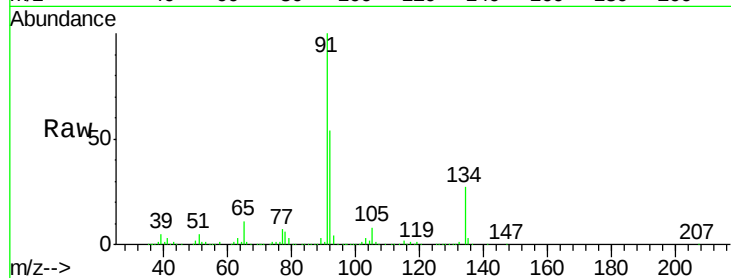
Tgt Ion: 91 Resp: 601780

Ion Ratio Lower Upper

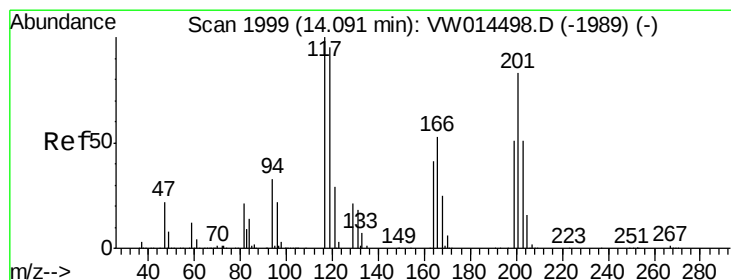
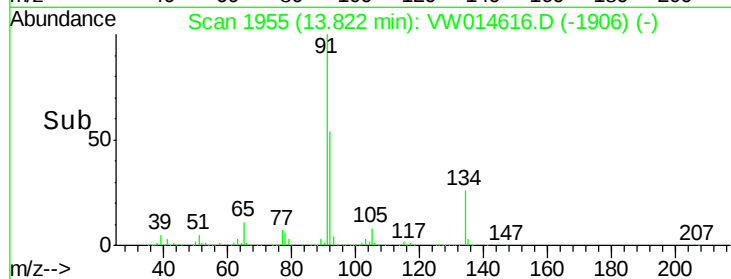
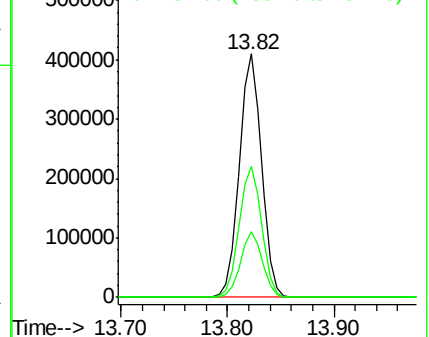
91 100

92 54.5 27.5 82.5

134 26.6 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: 21.457 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014616.D

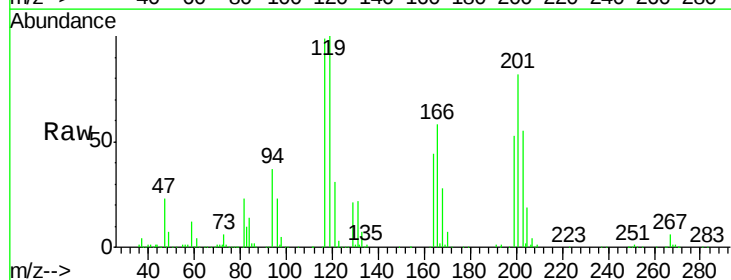
Acq: 13 Jan 2020 11:39

Tgt Ion: 117 Resp: 109292

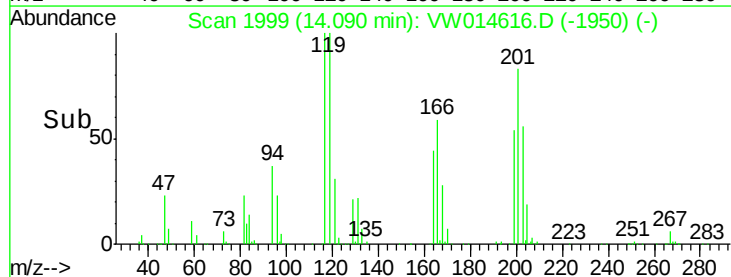
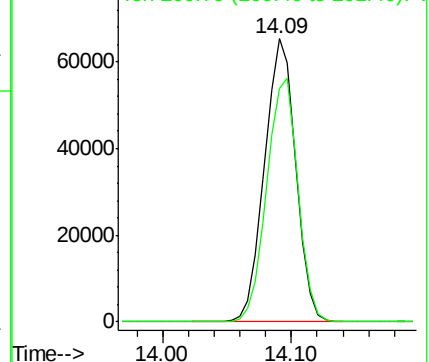
Ion Ratio Lower Upper

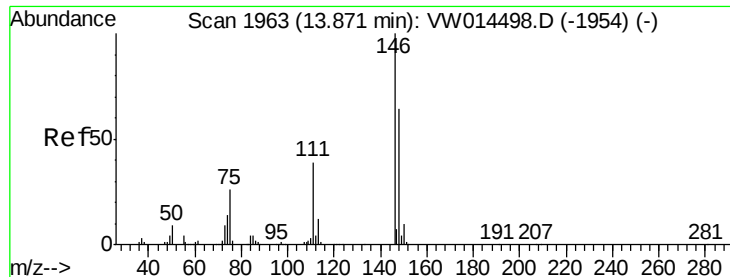
117 100

201 86.6 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

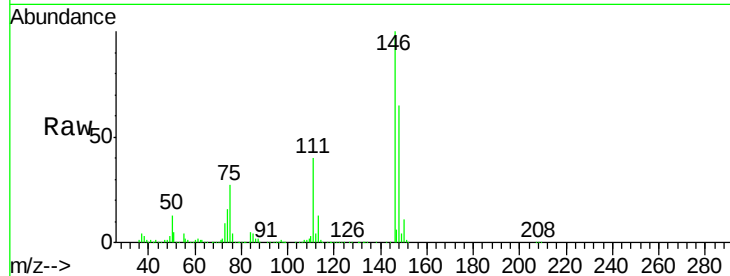




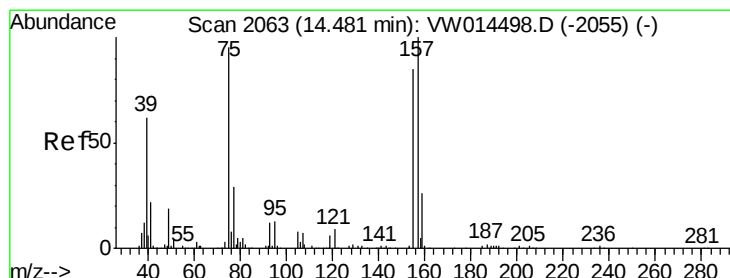
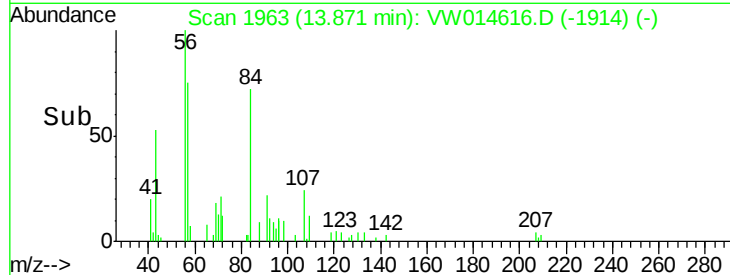
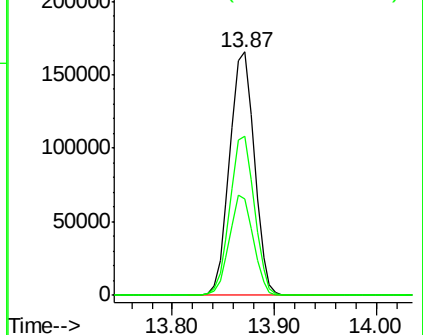
#91
 1,2-Dichlorobenzene
 Concen: 22.216 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	64.8	32.3	96.8

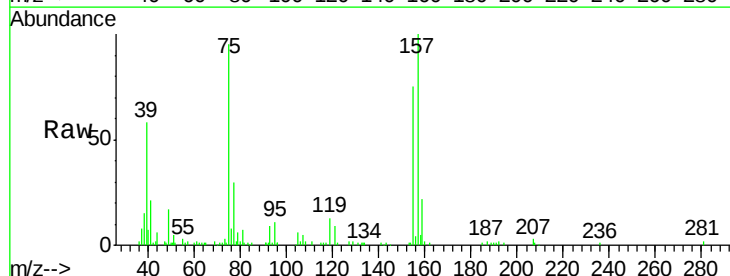


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

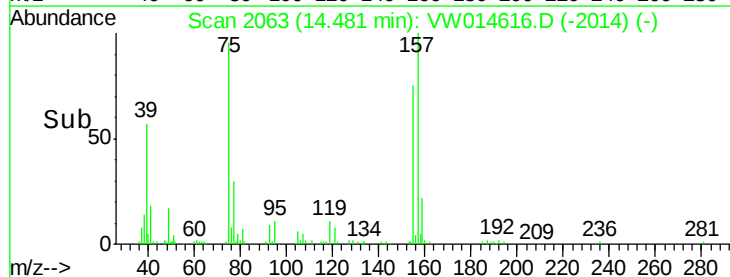
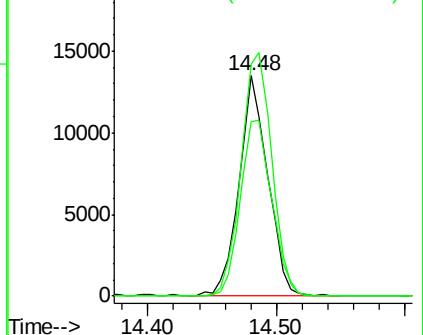


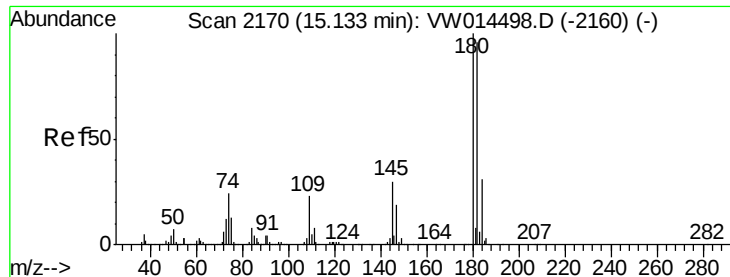
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.184 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	45.8	137.4
157	117.4	58.1	174.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

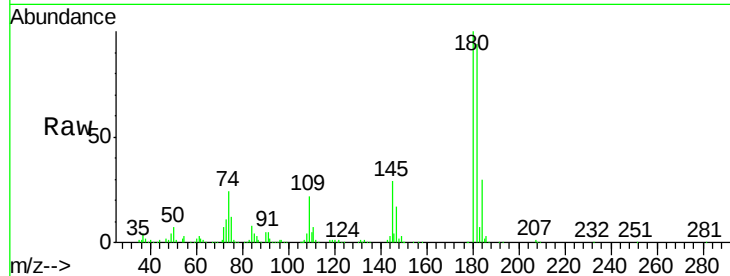




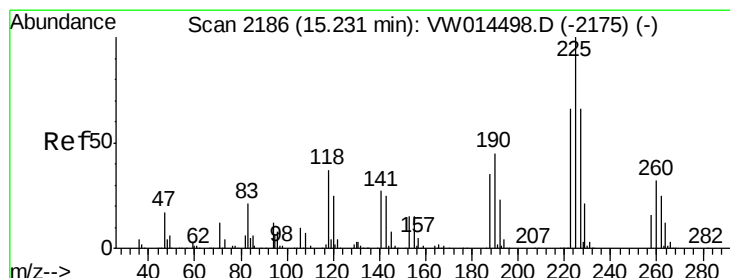
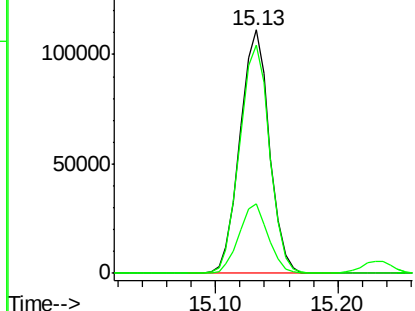
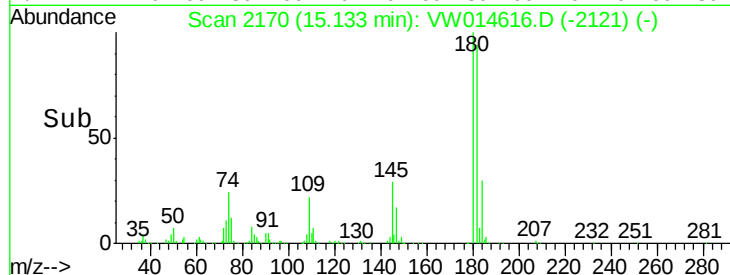
#93
 1,2,4-Trichlorobenzene
 Concen: 21.942 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	28.4	14.7	44.1

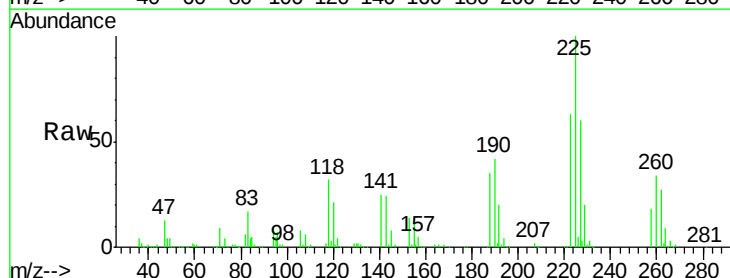


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

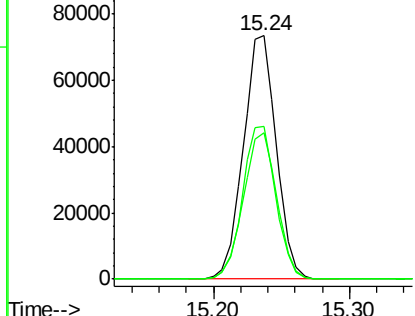
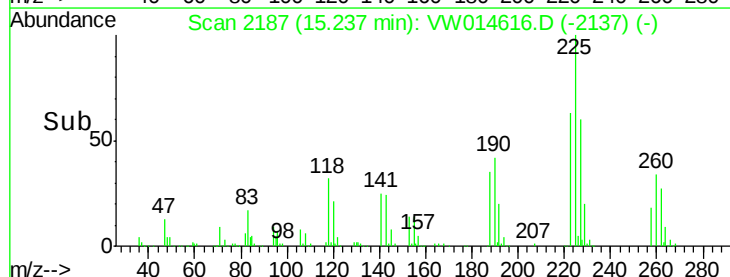


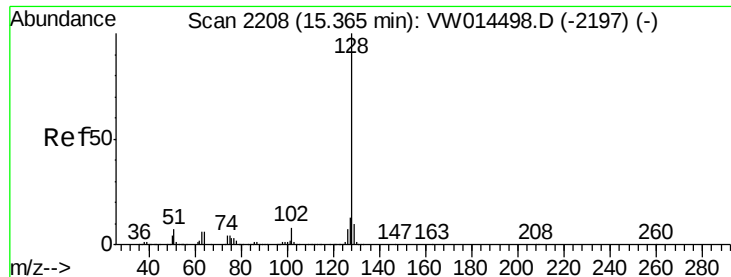
#94
 Hexachlorobutadiene
 Concen: 22.051 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.4	97.2
227	61.1	32.6	97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

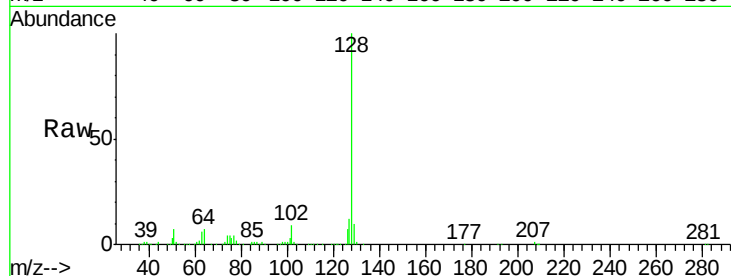




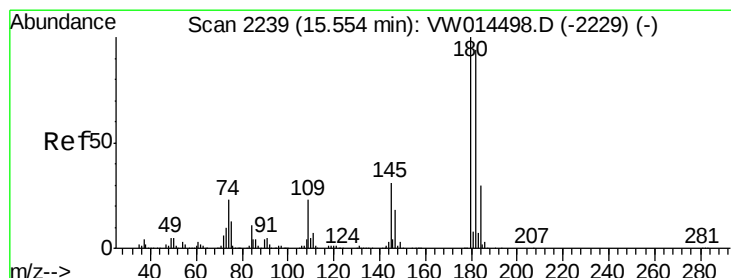
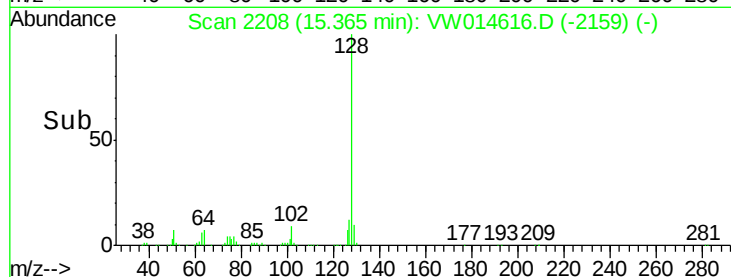
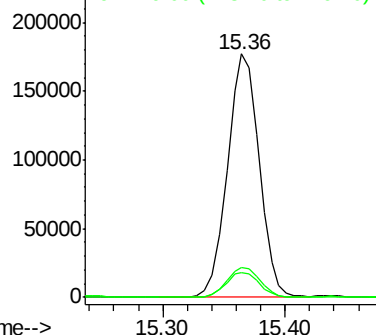
#95
Naphthalene
Concen: 22.298 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tgt Ion:128 Resp: 320461
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.0 8.7 13.1

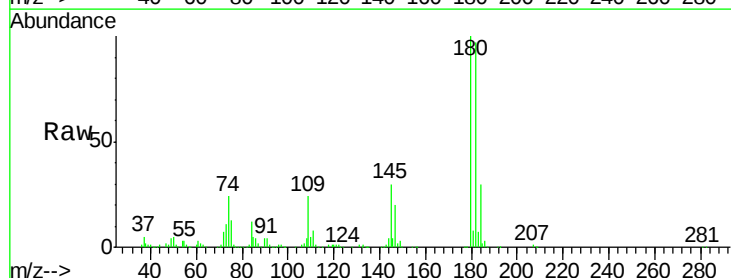


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.083 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion:180 Resp: 162206
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.2
145 29.9 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

