

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012220\
 Data File : VW014716.D
 Acq On : 22 Jan 2020 16:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 22 17:02:14 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	674622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1026851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	890512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	437453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	318373	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.88	113	307597	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.32	98	1263769	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.62	95	425494	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	171808	45.11	ug/l	98
3) Chloromethane	2.21	50	228018	48.91	ug/l	99
4) Vinyl Chloride	2.36	62	350575	51.12	ug/l	99
5) Bromomethane	2.78	94	212631	50.19	ug/l	98
6) Chloroethane	2.92	64	202127	51.71	ug/l	97
7) Trichlorofluoromethane	3.26	101	201217	58.65	ug/l	100
8) Diethyl Ether	3.68	74	167559	49.08	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	328642	51.26	ug/l	98
10) Methyl Iodide	4.27	142	467878	48.37	ug/l	97
11) Tert butyl alcohol	5.16	59	108525	237.48	ug/l	98
12) 1,1-Dichloroethene	4.04	96	337572	50.28	ug/l	99
13) Acrolein	3.89	56	157320	305.59	ug/l	98
14) Allyl chloride	4.66	41	547168	53.33	ug/l	99
15) Acrylonitrile	5.36	53	385601	247.11	ug/l	99
16) Acetone	4.12	43	426863	256.30	ug/l	100
17) Carbon Disulfide	4.38	76	981532	48.51	ug/l	97
18) Methyl Acetate	4.67	43	195790	48.68	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	439639	52.75	ug/l	99
20) Methylene Chloride	4.91	84	362274	54.15	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	354984	49.80	ug/l	97
22) Diisopropyl ether	6.31	45	1040060	54.16	ug/l	99
23) Vinyl Acetate	6.25	43	3040893	262.24	ug/l	98
24) 1,1-Dichloroethane	6.21	63	630817	52.08	ug/l	100
25) 2-Butanone	7.17	43	527705	246.90	ug/l	95
26) 1,2-Dichloropropane	7.17	77	347639	51.84	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	377277	50.37	ug/l	97
28) Bromochloromethane	7.51	49	277915	58.52	ug/l	94
29) Tetrahydrofuran	7.52	42	323433	244.26	ug/l	97
30) Chloroform	7.67	83	588598	51.96	ug/l	97
31) Cyclohexane	7.95	56	617298	49.04	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	476908	52.35	ug/l	98
36) 1,1-Dichloropropene	8.08	75	500711	50.58	ug/l	99
37) Ethyl Acetate	7.25	43	223850	49.86	ug/l	98
38) Carbon Tetrachloride	8.06	117	435737	50.74	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	618516	48.69	ug/l	96
40) Benzene	8.32	78	1416399	50.57	ug/l	99
41) Methacrylonitrile	7.48	41	121999	48.75	ug/l	98
42) 1,2-Dichloroethane	8.40	62	366945	50.48	ug/l	98
43) Isopropyl Acetate	8.42	43	406551	49.87	ug/l	99
44) Trichloroethene	9.09	130	367993	48.55	ug/l	97
45) 1,2-Dichloropropane	9.37	63	350651	51.02	ug/l	99
46) Dibromomethane	9.46	93	166919	49.19	ug/l	96
47) Bromodichloromethane	9.64	83	427071	50.98	ug/l	100
48) Methyl methacrylate	9.43	41	198572	49.89	ug/l	99
49) 1,4-Dioxane	9.44	88	60349	950.96	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1053773	248.90	ug/l	99
52) Toluene	10.38	92	876651	49.75	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	430049	49.58	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	532655	50.25	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	241388	48.71	ug/l	98
56) Ethyl methacrylate	10.64	69	320501	49.77	ug/l	97
57) 1,3-Dichloropropane	10.93	76	424665	48.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	598339	305.49	ug/l	98
59) 2-Hexanone	10.96	43	741247	254.08	ug/l	98
60) Dibromochloromethane	11.12	129	272709	48.77	ug/l	100
61) 1,2-Dibromoethane	11.23	107	224475	47.72	ug/l	99
64) Tetrachloroethene	10.86	164	304995	47.31	ug/l	99
65) Chlorobenzene	11.65	112	896391	49.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	307981	50.14	ug/l	99
67) Ethyl Benzene	11.73	91	1663253	50.59	ug/l	99
68) m/p-Xylenes	11.83	106	1268497	100.81	ug/l	99
69) o-Xylene	12.16	106	581210	50.00	ug/l	100
70) Styrene	12.18	104	993351	50.53	ug/l	99
71) Bromoform	12.35	173	155403	46.38	ug/l #	99
73) Isopropylbenzene	12.46	105	1598438	49.80	ug/l	100
74) N-amyl acetate	12.27	43	365277	50.75	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	278749	48.11	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	353033	85.36	ug/l #	100
77) Bromobenzene	12.74	156	362984	48.69	ug/l	99
78) n-propylbenzene	12.80	91	1931109	51.16	ug/l	99
79) 2-Chlorotoluene	12.89	91	1072112	49.91	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1354823	50.27	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	87262	47.01	ug/l	93
82) 4-Chlorotoluene	12.99	91	1116922	50.05	ug/l	99
83) tert-Butylbenzene	13.20	119	1182346	50.11	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1340810	49.99	ug/l	100
85) sec-Butylbenzene	13.38	105	1656129	50.71	ug/l	100
86) p-Isopropyltoluene	13.49	119	1514575	50.87	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	710569	49.02	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	699177	48.85	ug/l	99
89) n-Butylbenzene	13.82	91	1450963	52.48	ug/l	99
90) Hexachloroethane	14.09	117	261905	50.36	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	624135	48.98	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	45470	49.56	ug/l	92

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

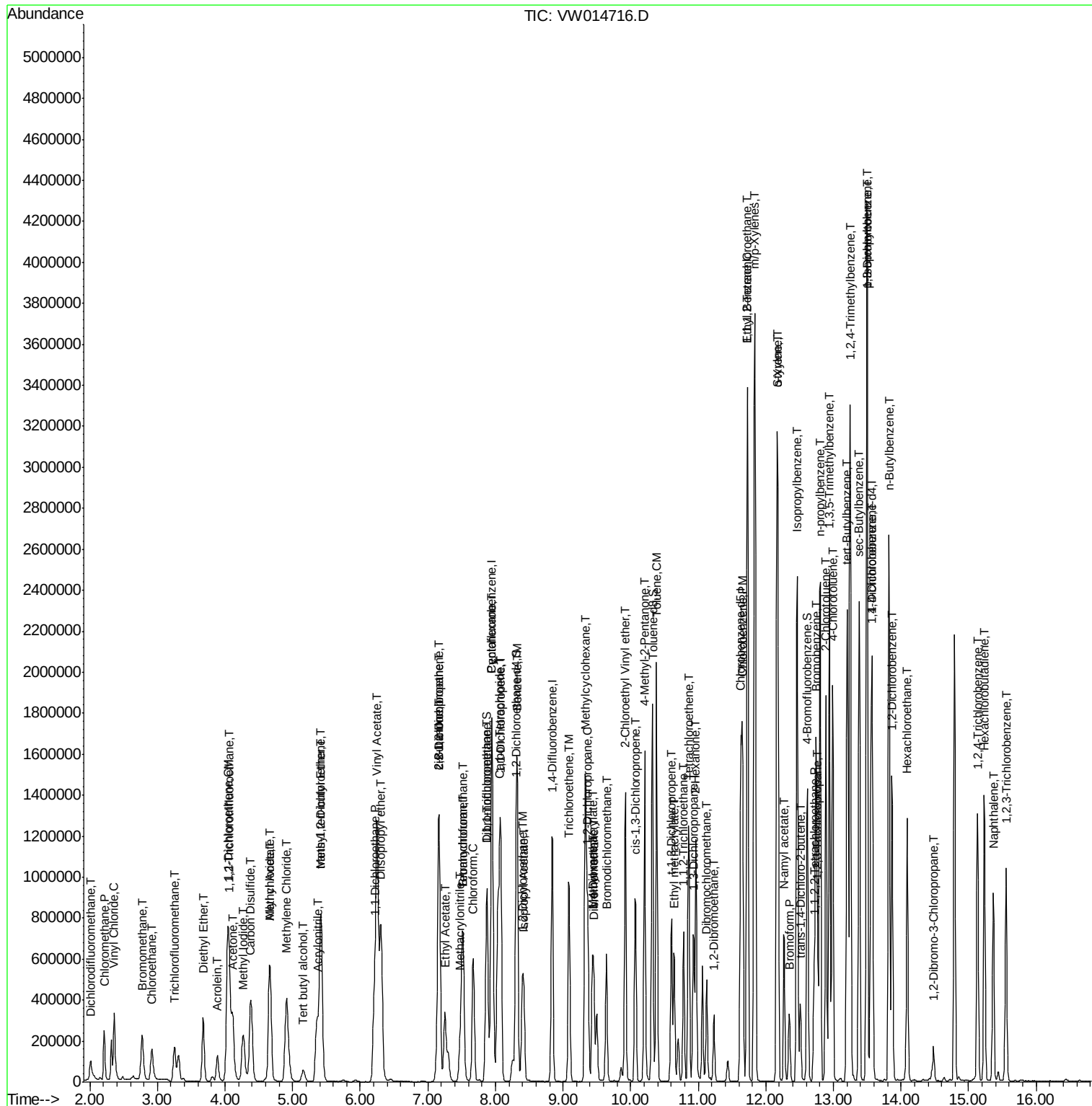
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	451831	52.51	ug/l	99
94) Hexachlorobutadiene	15.23	225	290608	50.40	ug/l	99
95) Naphthalene	15.36	128	773613	52.72	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	383687	51.16	ug/l	99

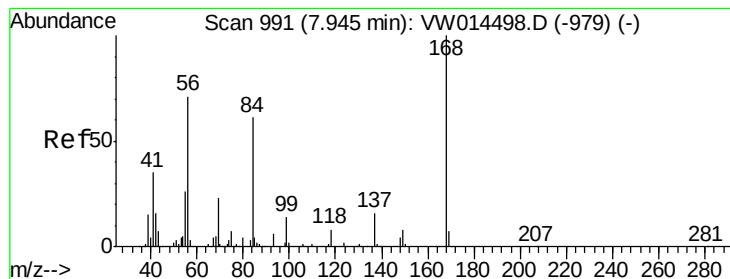
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012220\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

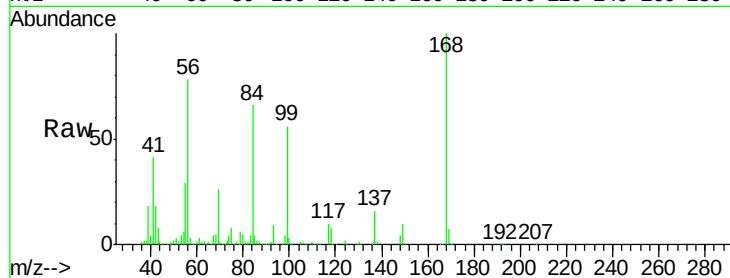
VSTDCCC050EC

Tgt Ion:168 Resp: 674622

Ion Ratio Lower Upper

168 100

99 55.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

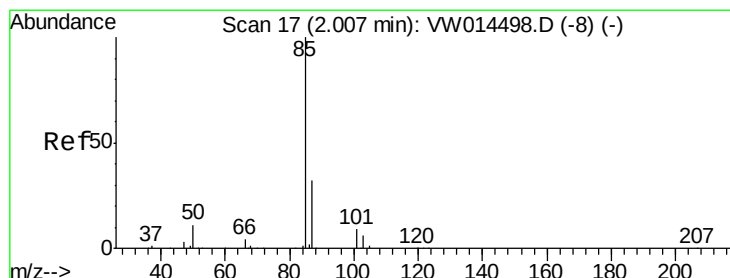
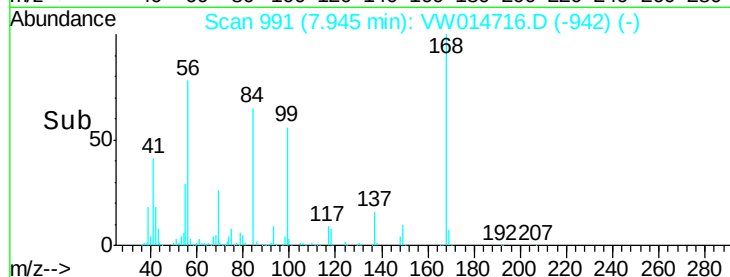
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.11 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014716.D

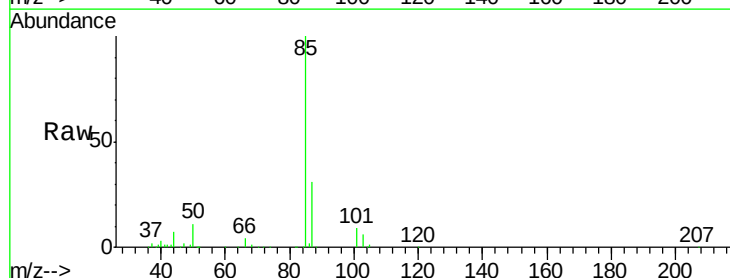
Acq: 22 Jan 2020 16:37

Tgt Ion: 85 Resp: 171808

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

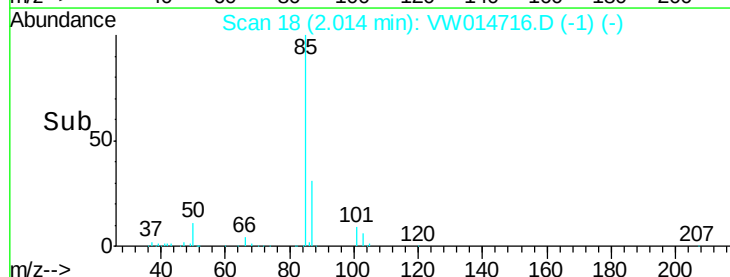
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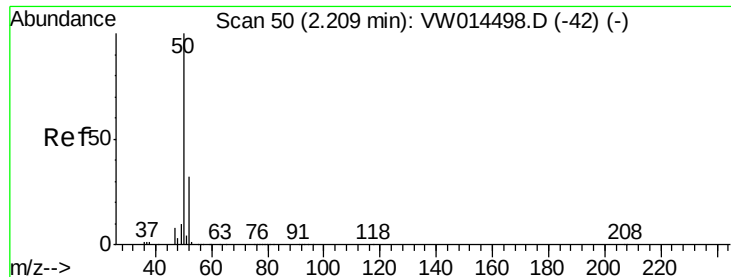
20000

10000

0

Time-->





#3

Chloromethane

Concen: 48.91 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

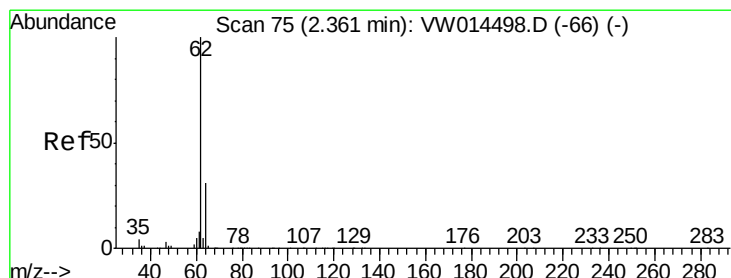
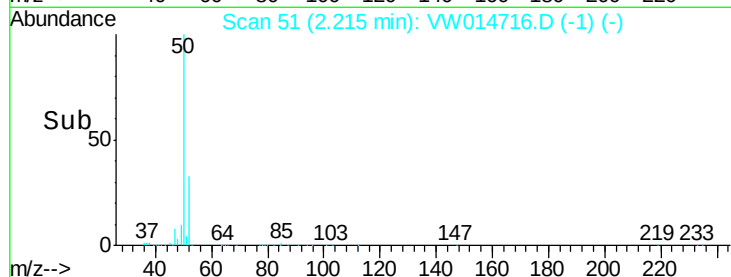
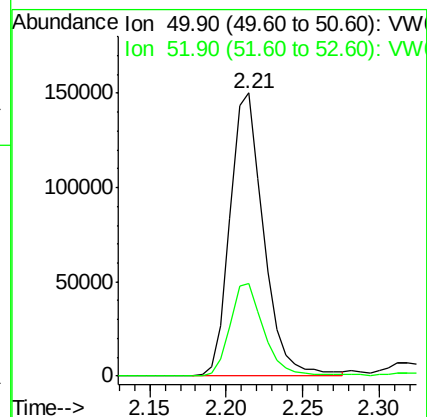
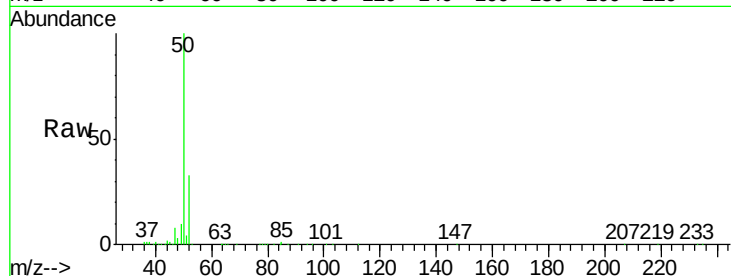
VSTDCCC050EC

Tgt Ion: 50 Resp: 228018

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.8



#4

Vinyl Chloride

Concen: 51.12 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014716.D

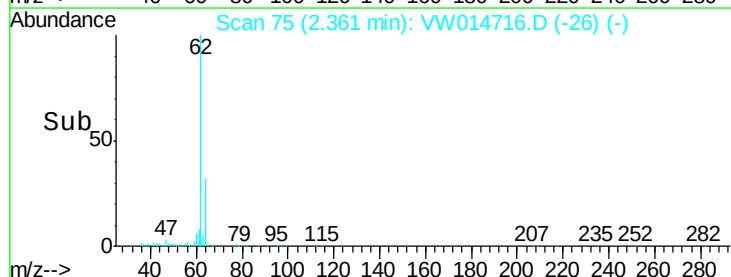
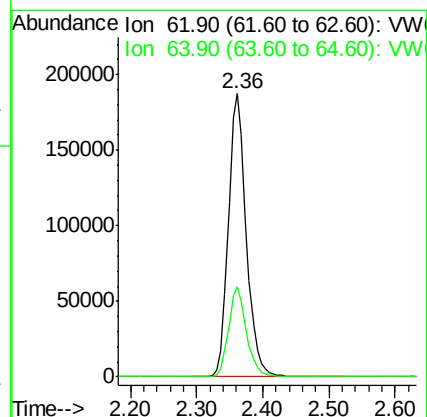
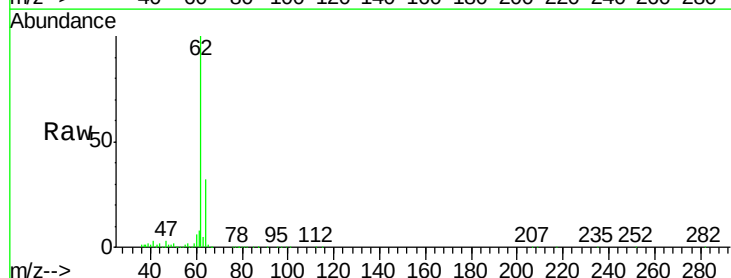
Acq: 22 Jan 2020 16:37

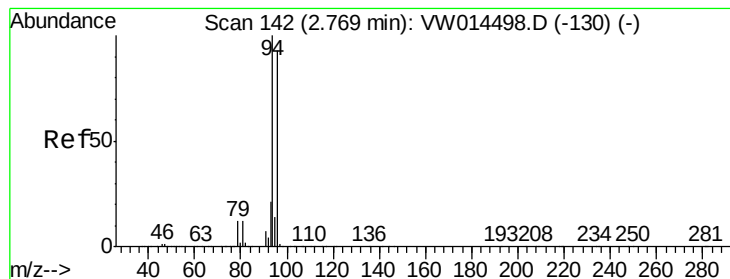
Tgt Ion: 62 Resp: 350575

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 50.19 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

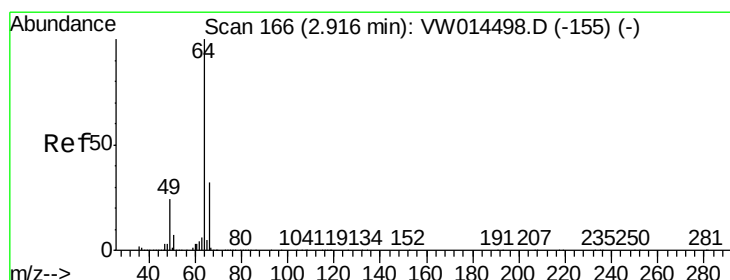
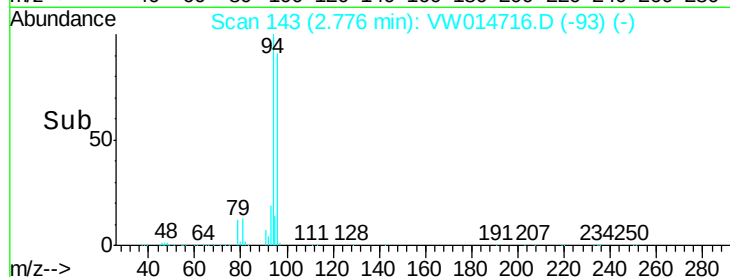
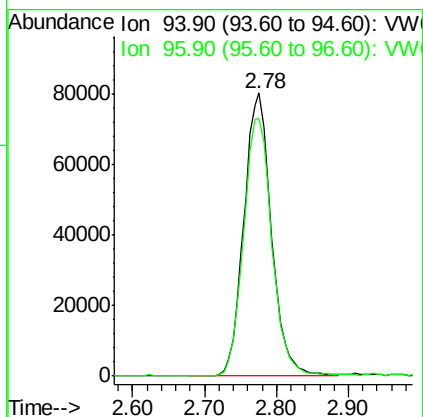
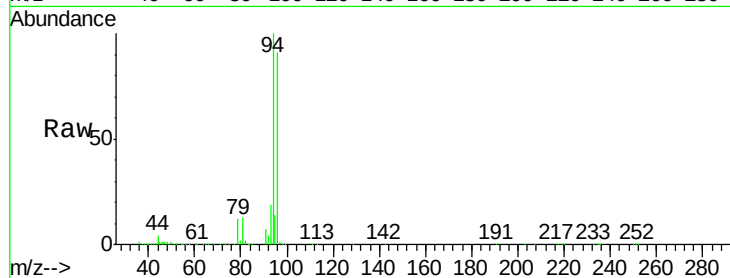
VSTDCCC050EC

Tgt Ion: 94 Resp: 212631

Ion Ratio Lower Upper

94 100

96 91.1 74.2 111.2



#6

Chloroethane

Concen: 51.71 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014716.D

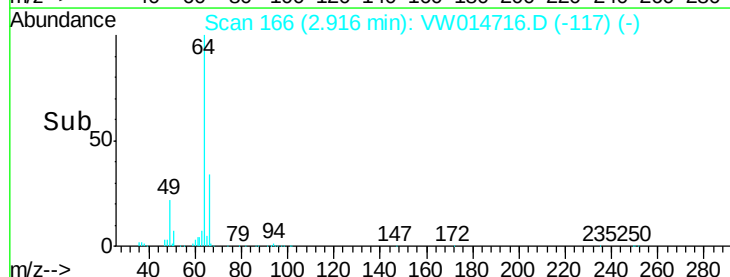
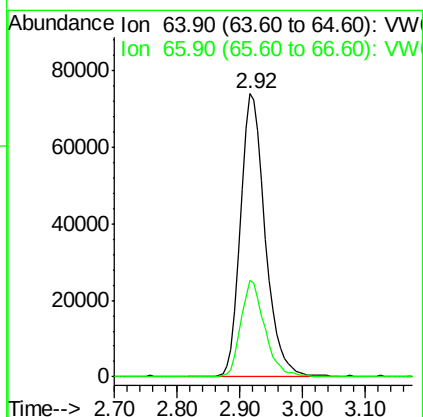
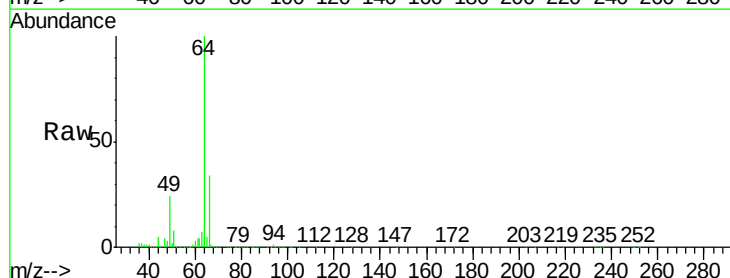
Acq: 22 Jan 2020 16:37

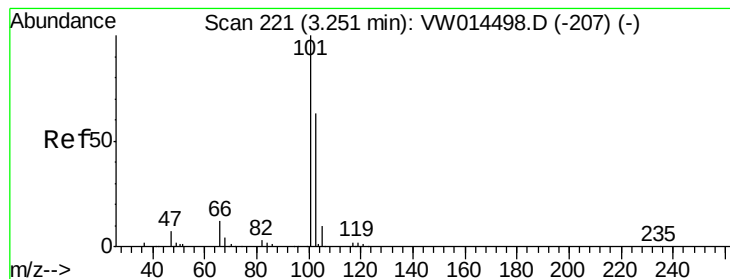
Tgt Ion: 64 Resp: 202127

Ion Ratio Lower Upper

64 100

66 34.0 25.7 38.5



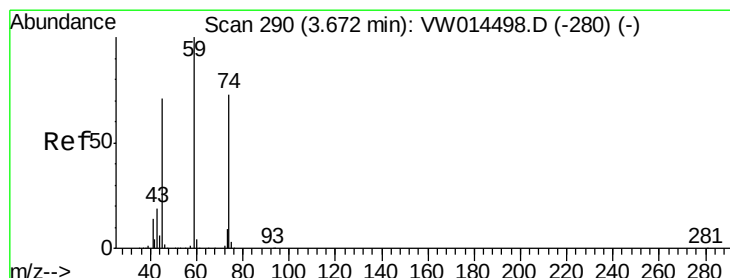
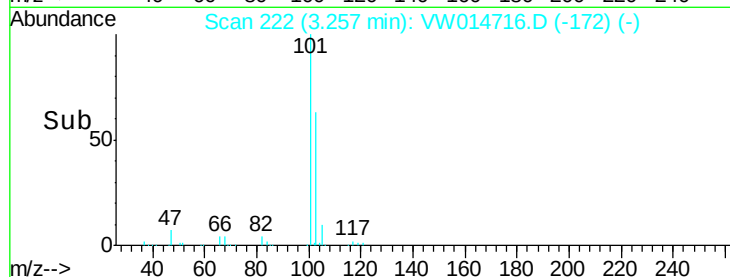
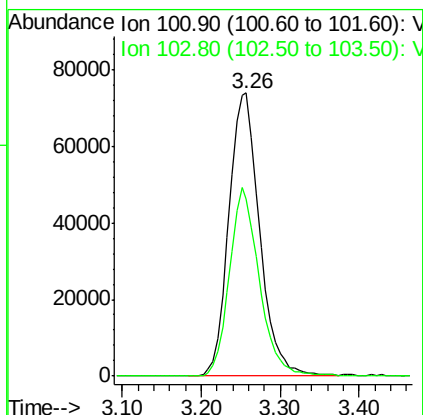
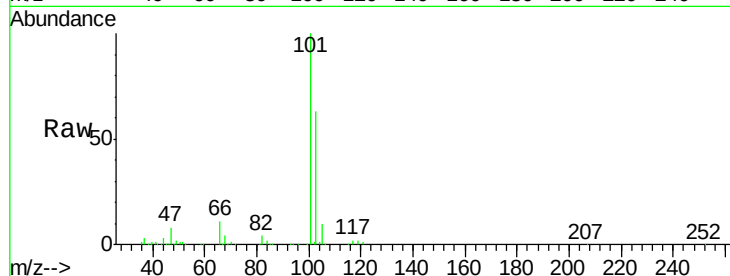


#7

Trichlorofluoromethane
 Concen: 58.65 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

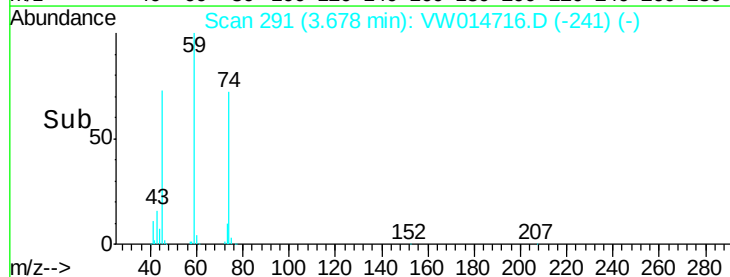
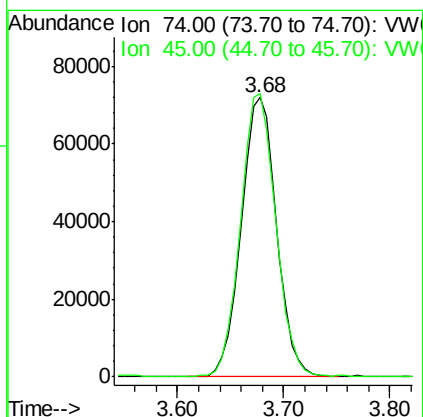
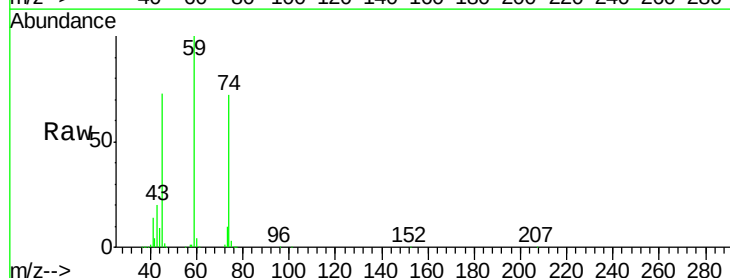
Tgt Ion:101 Resp: 201217
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.1 75.1

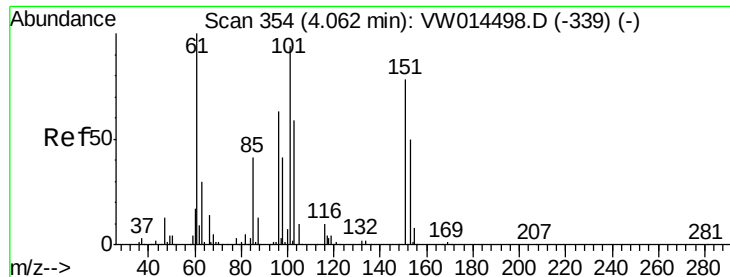


#8

Diethyl Ether
 Concen: 49.08 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion: 74 Resp: 167559
 Ion Ratio Lower Upper
 74 100
 45 101.0 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.26 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

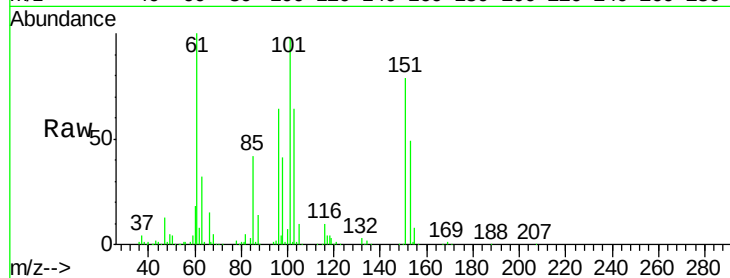
Tgt Ion:101 Resp: 328642

Ion Ratio Lower Upper

101 100

85 42.8 33.7 50.5

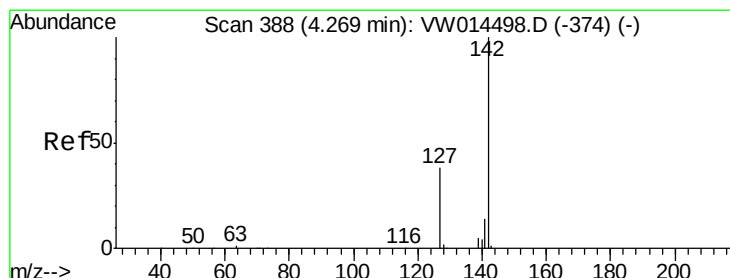
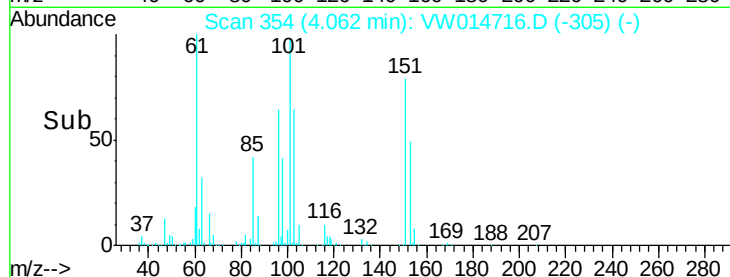
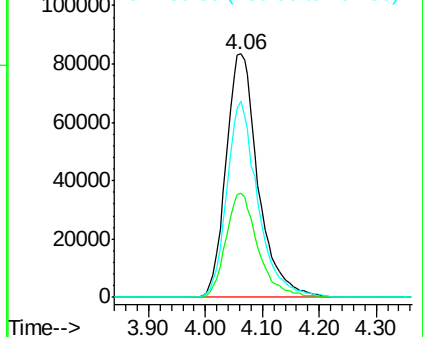
151 77.8 63.5 95.3



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: 48.37 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

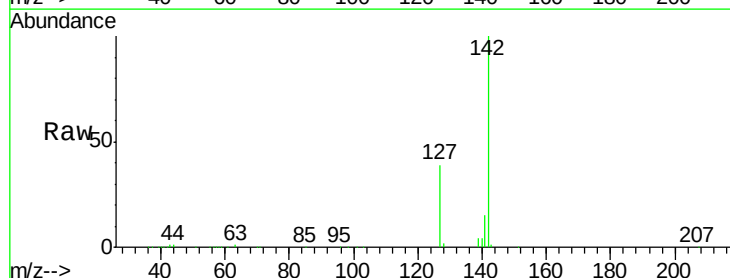
Tgt Ion:142 Resp: 467878

Ion Ratio Lower Upper

142 100

127 39.9 30.2 45.4

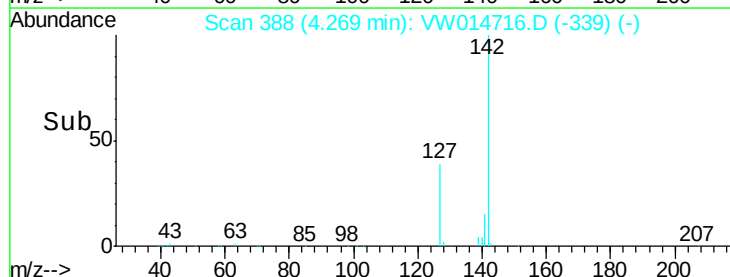
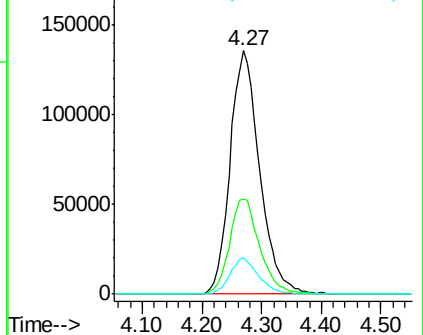
141 14.5 11.4 17.2

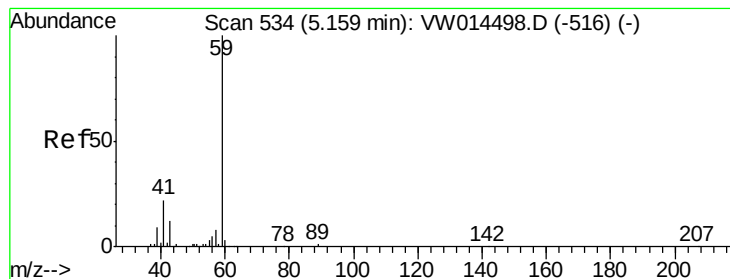


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 237.48 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

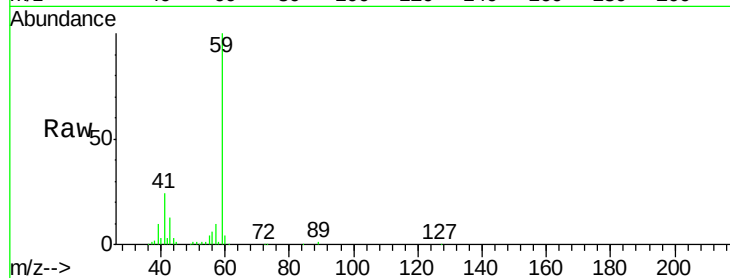
VSTDCCC050EC

Tgt Ion: 59 Resp: 108525

Ion Ratio Lower Upper

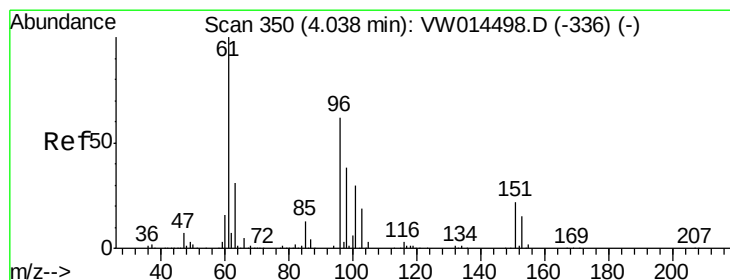
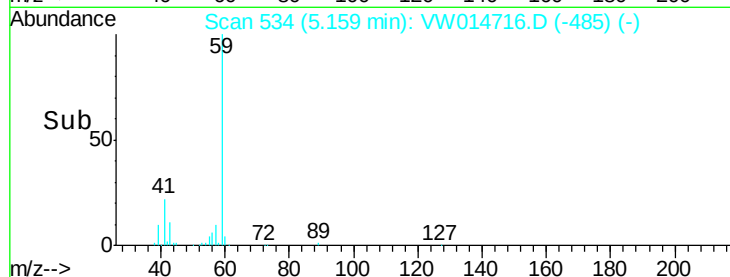
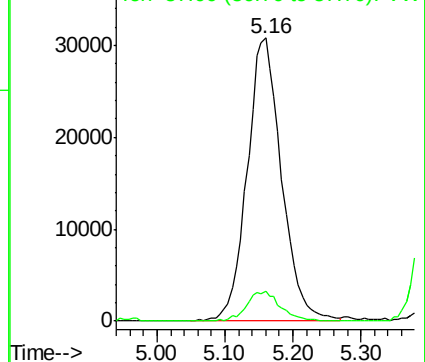
59 100

57 10.4 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 50.28 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

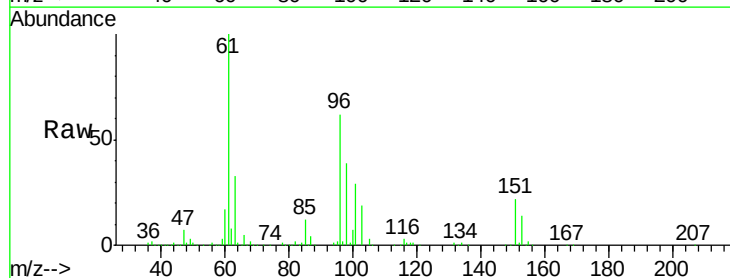
Tgt Ion: 96 Resp: 337572

Ion Ratio Lower Upper

96 100

61 161.7 128.4 192.6

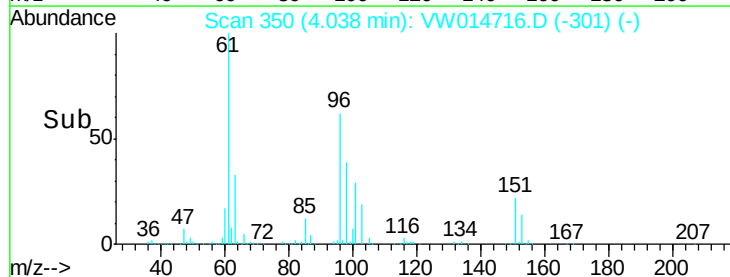
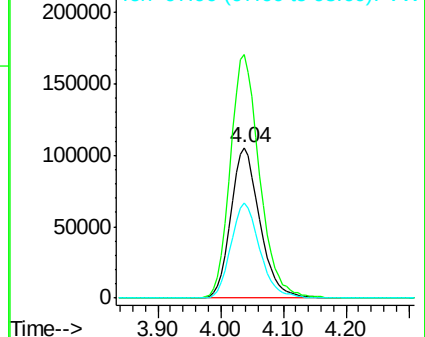
98 63.3 49.1 73.7

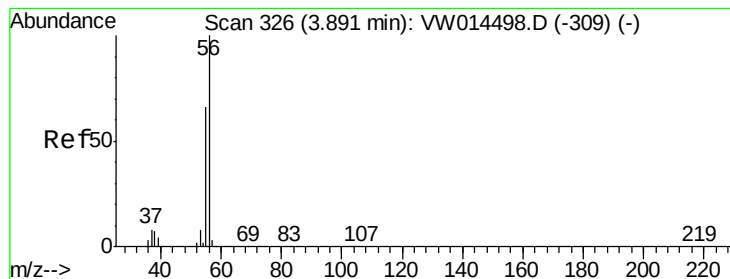


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 305.59 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

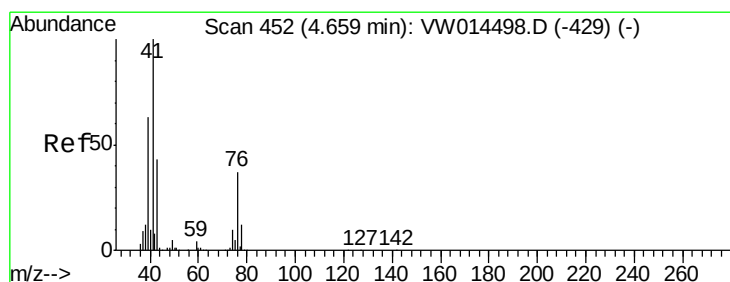
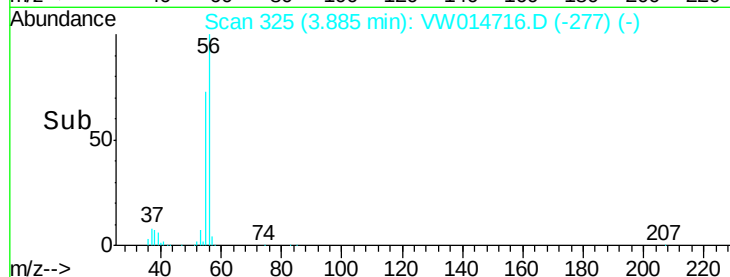
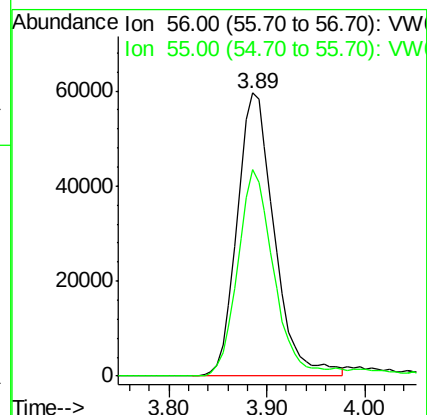
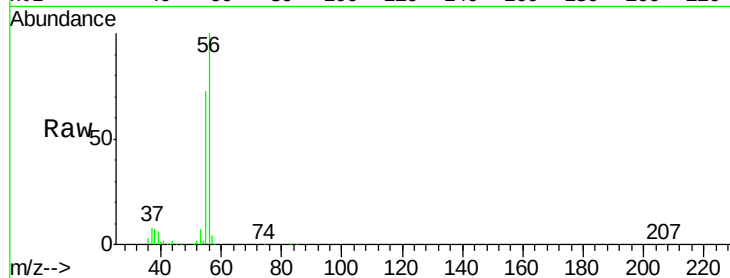
VSTDCCC050EC

Tgt Ion: 56 Resp: 157320

Ion Ratio Lower Upper

56 100

55 69.6 56.7 85.1



#14

Allyl chloride

Concen: 53.33 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

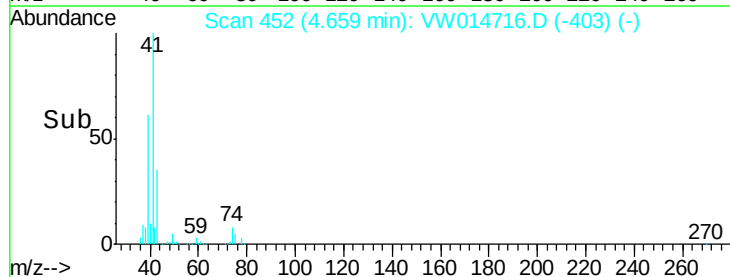
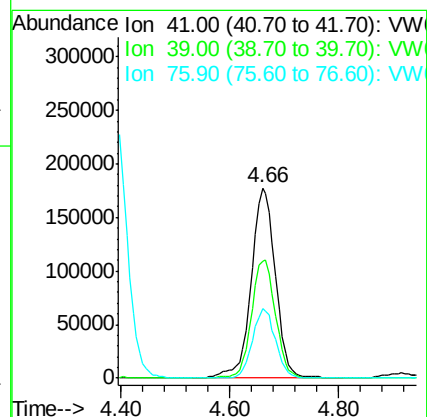
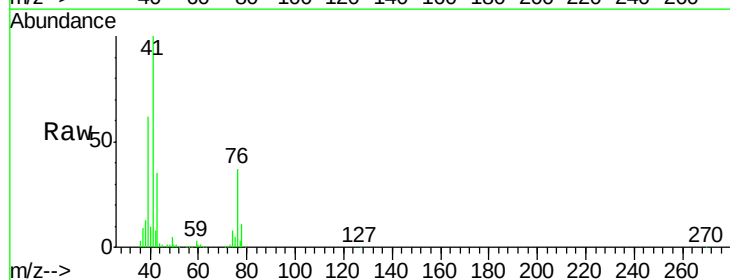
Tgt Ion: 41 Resp: 547168

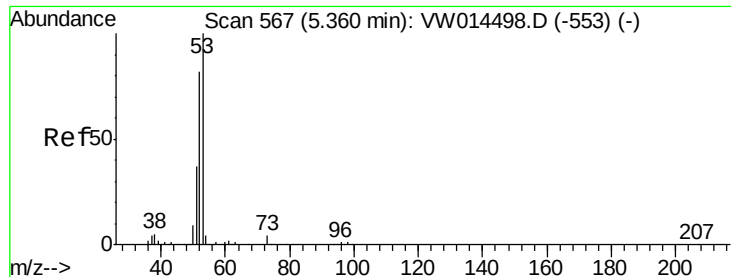
Ion Ratio Lower Upper

41 100

39 61.5 48.5 72.7

76 34.3 28.1 42.1





#15

Acrylonitrile

Concen: 247.11 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

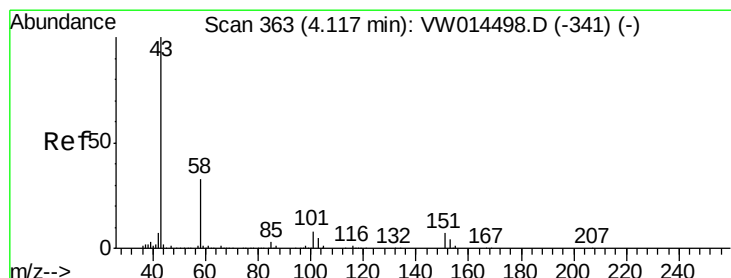
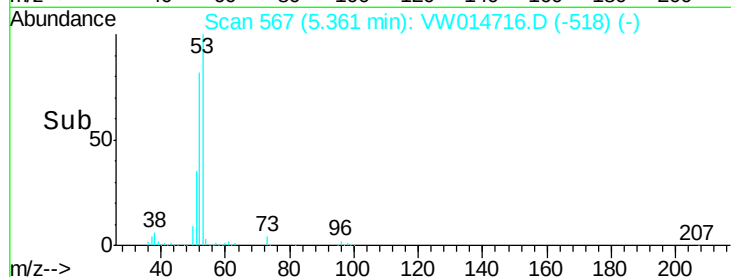
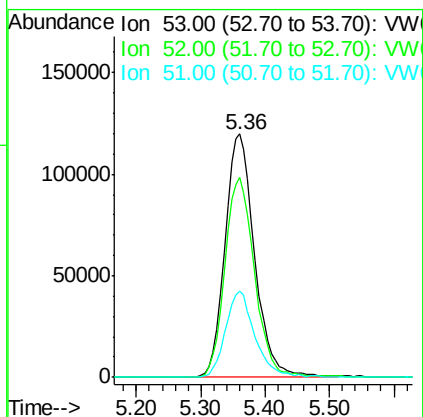
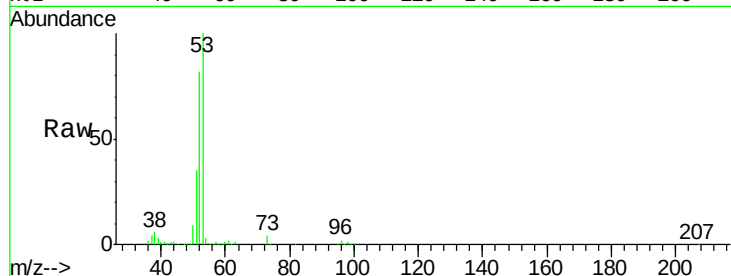
Tgt Ion: 53 Resp: 385601

Ion Ratio Lower Upper

53 100

52 82.5 66.5 99.7

51 35.2 28.4 42.6



#16

Acetone

Concen: 256.30 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014716.D

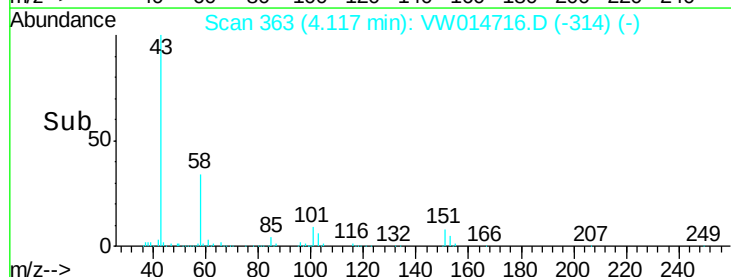
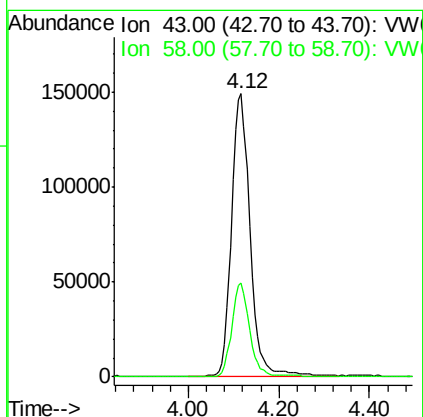
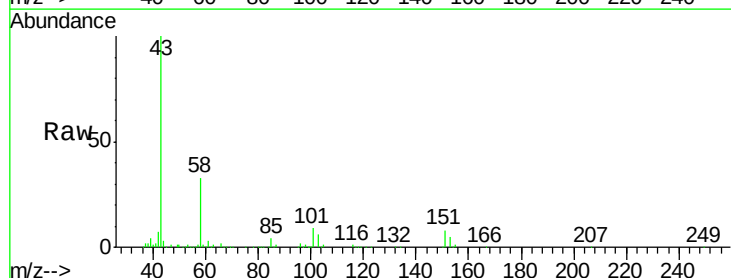
Acq: 22 Jan 2020 16:37

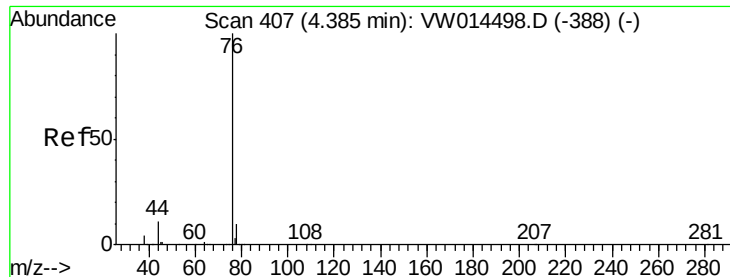
Tgt Ion: 43 Resp: 426863

Ion Ratio Lower Upper

43 100

58 33.2 26.6 39.8





#17

Carbon Disulfide

Concen: 48.51 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

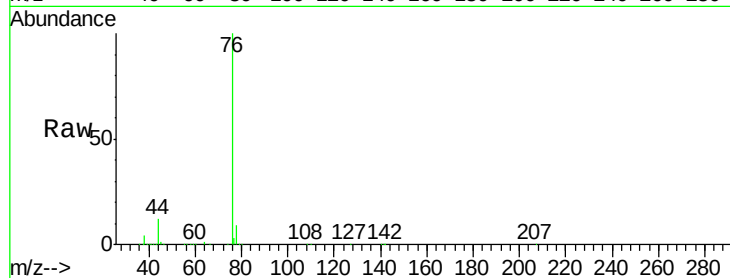
VSTDCCC050EC

Tgt Ion: 76 Resp: 981532

Ion Ratio Lower Upper

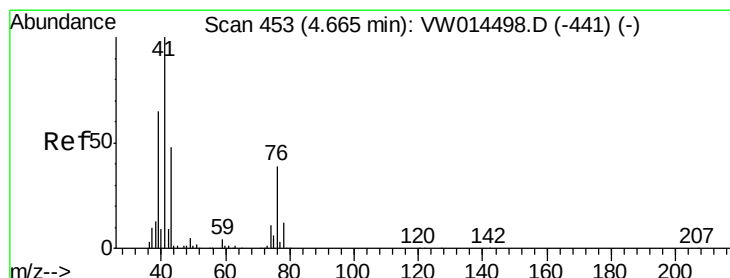
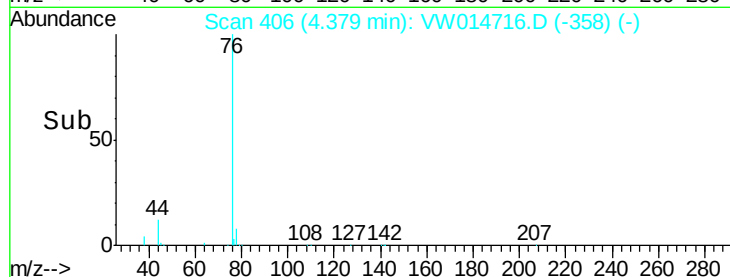
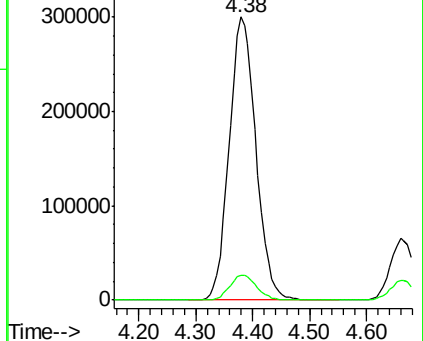
76 100

78 8.8 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 48.68 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014716.D

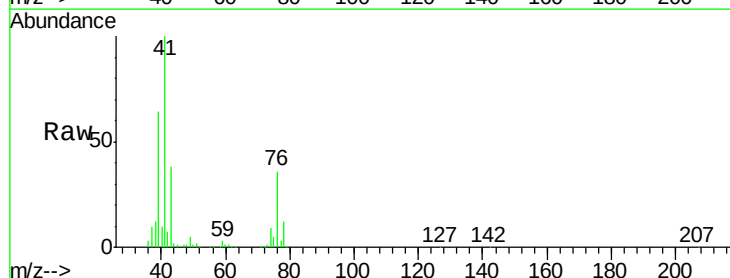
Acq: 22 Jan 2020 16:37

Tgt Ion: 43 Resp: 195790

Ion Ratio Lower Upper

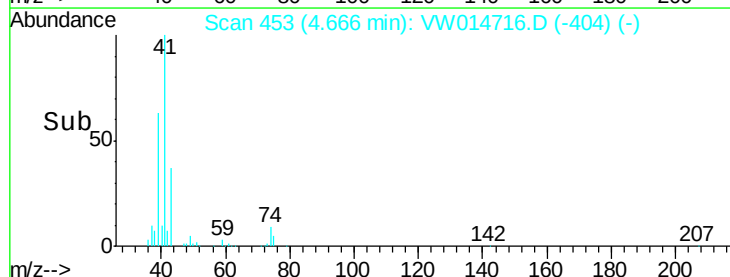
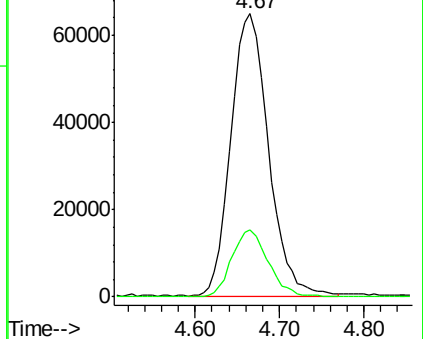
43 100

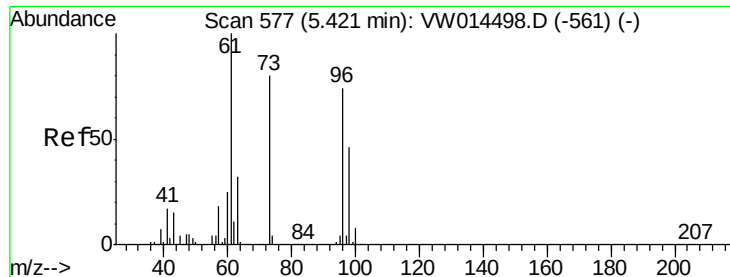
74 23.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

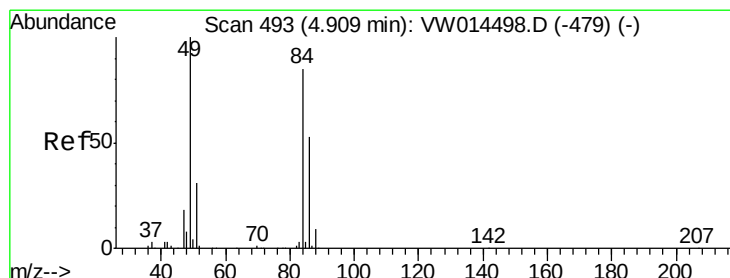
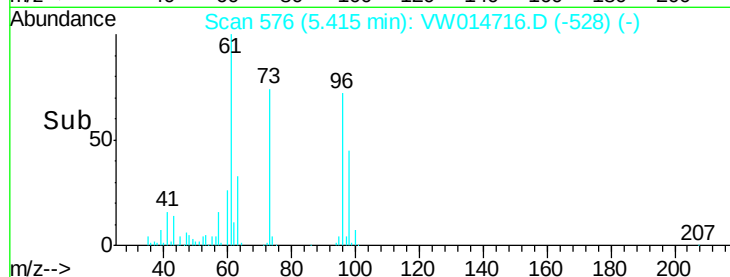
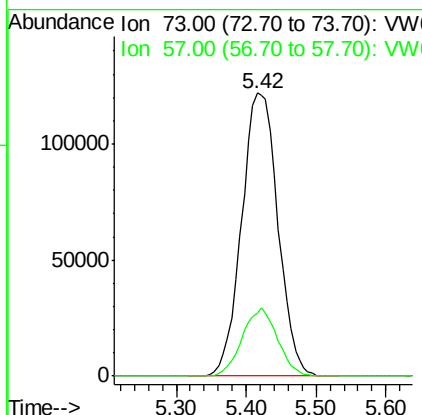
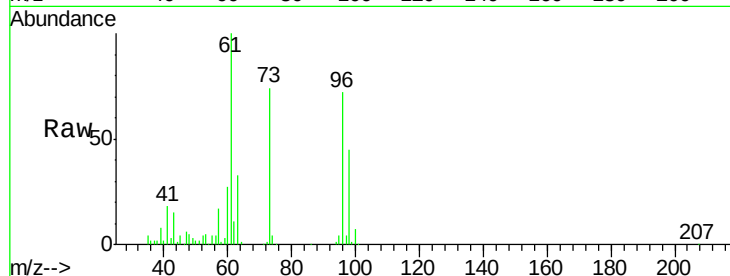




#19
Methyl tert-butyl Ether
Concen: 52.75 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

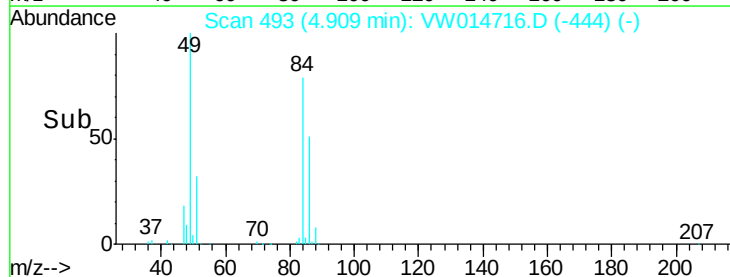
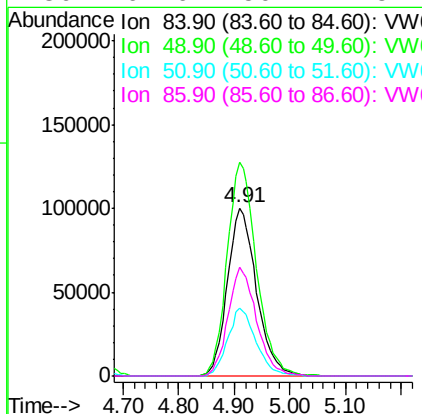
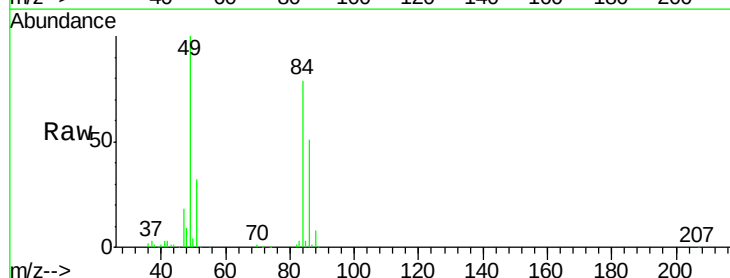
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

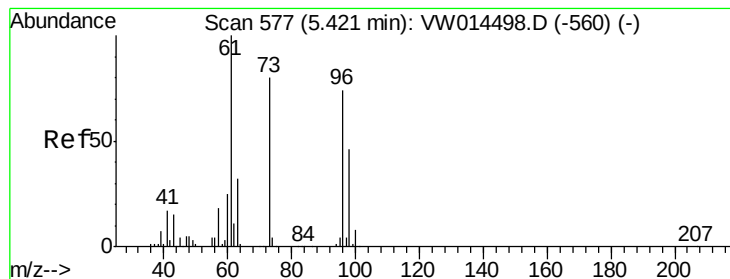
Tgt Ion: 73 Resp: 439639
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 54.15 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 84 Resp: 362274
Ion Ratio Lower Upper
84 100
49 127.0 94.4 141.6
51 40.5 29.5 44.3
86 64.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 49.80 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

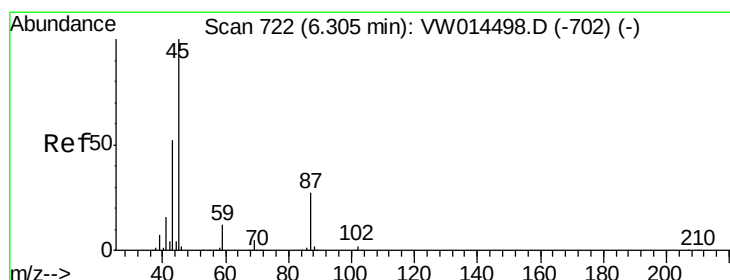
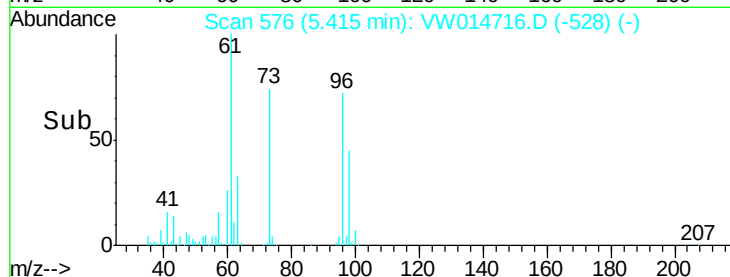
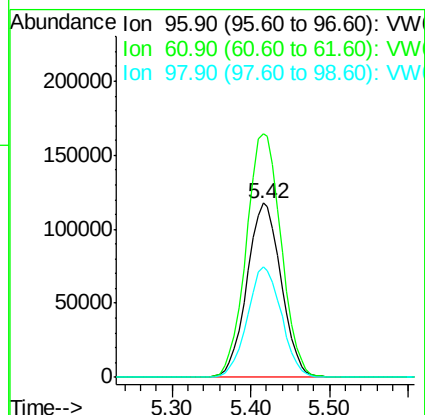
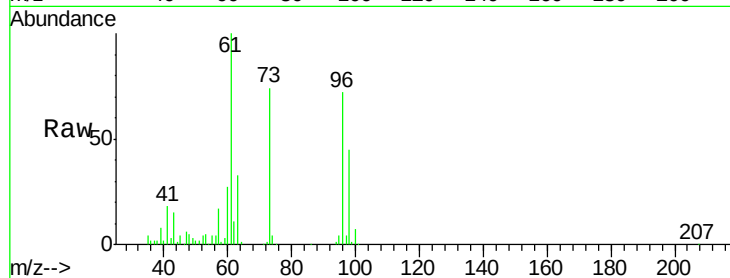
Tgt Ion: 96 Resp: 354984

Ion Ratio Lower Upper

96 100

61 139.8 107.8 161.6

98 63.1 49.4 74.0



#22

Diisopropyl ether

Concen: 54.16 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion: 45 Resp: 1040060

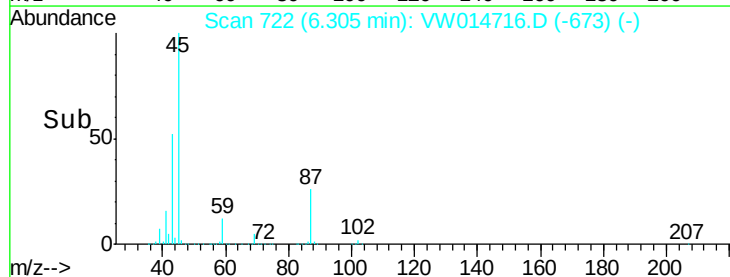
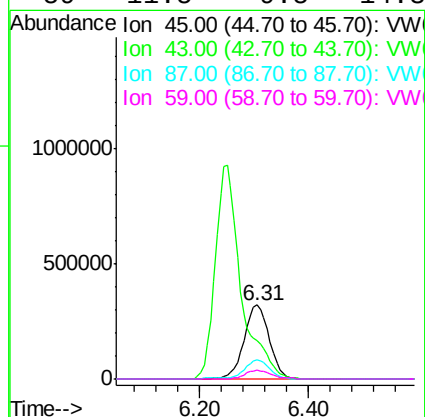
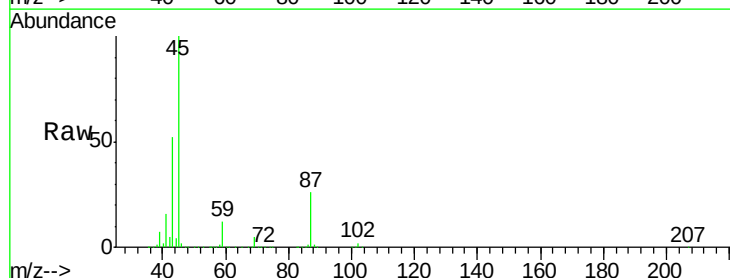
Ion Ratio Lower Upper

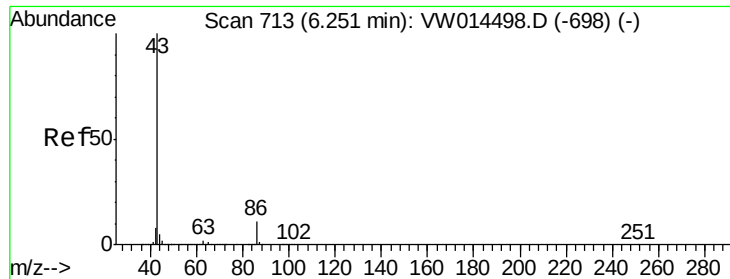
45 100

43 51.5 41.4 62.0

87 25.8 22.2 33.2

59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 262.24 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

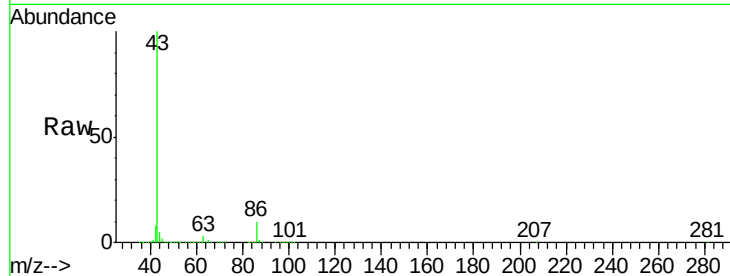
VSTDCCC050EC

Tgt Ion: 43 Resp: 3040893

Ion Ratio Lower Upper

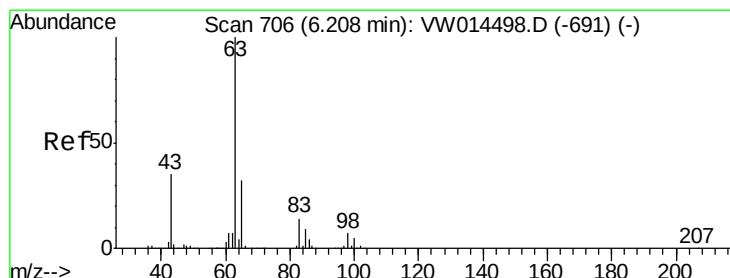
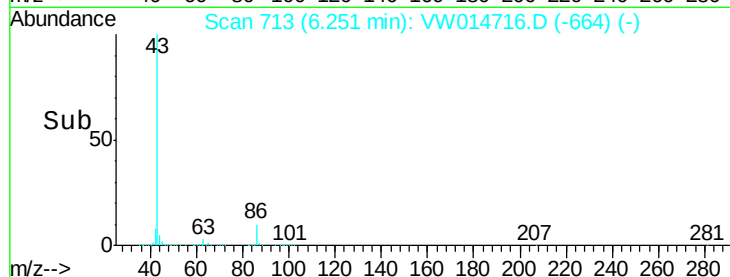
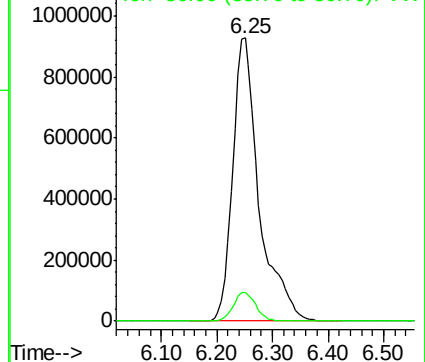
43 100

86 10.1 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.08 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

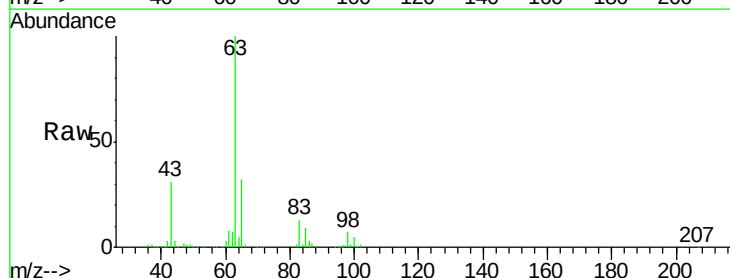
Tgt Ion: 63 Resp: 630817

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

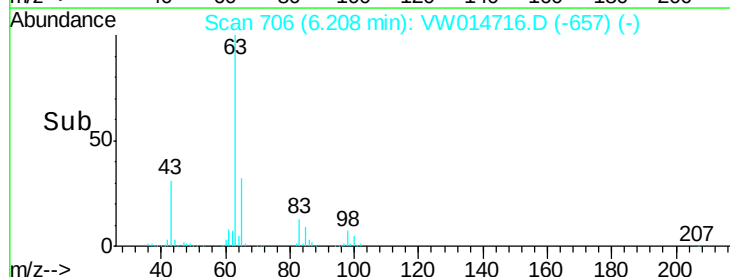
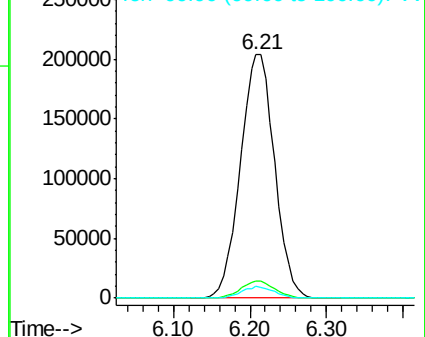
100 4.8 2.5 7.4

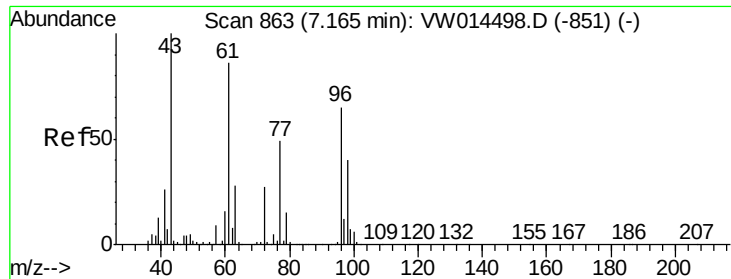


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 246.90 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

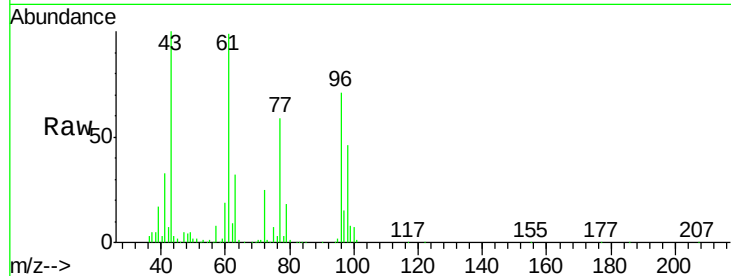
VSTDCCC050EC

Tgt Ion: 43 Resp: 527705

Ion Ratio Lower Upper

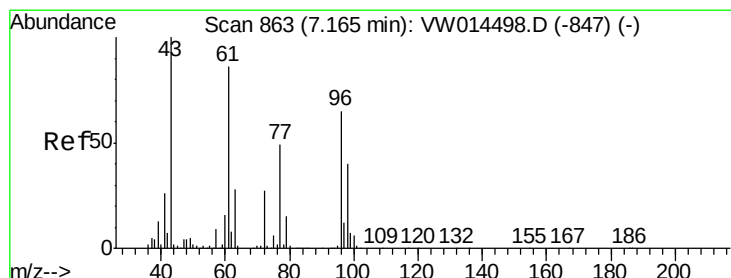
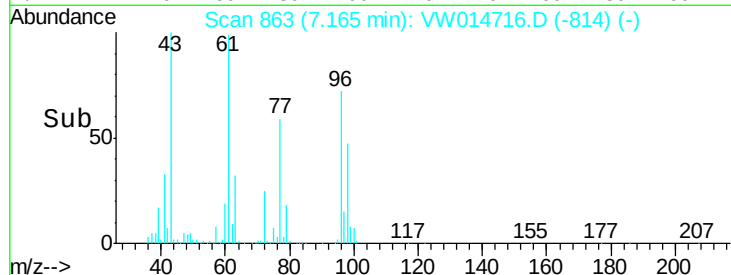
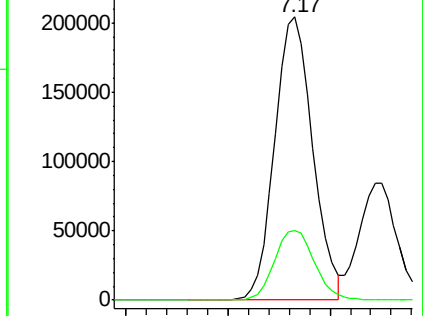
43 100

72 24.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 51.84 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014716.D

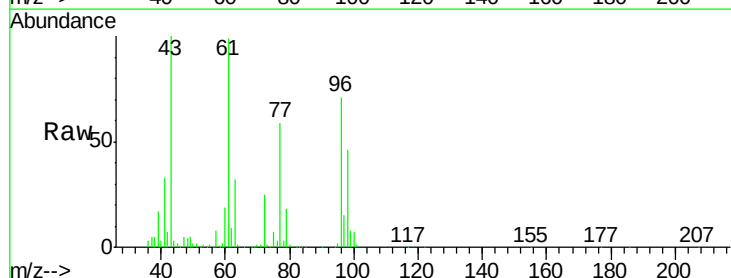
Acq: 22 Jan 2020 16:37

Tgt Ion: 77 Resp: 347639

Ion Ratio Lower Upper

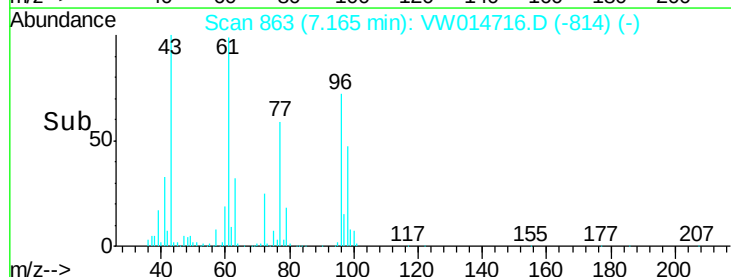
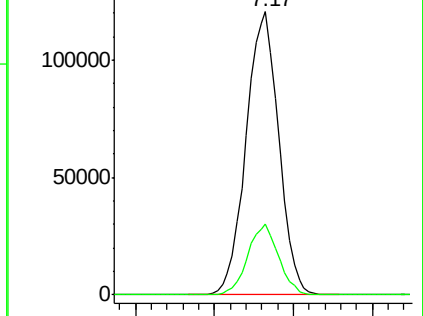
77 100

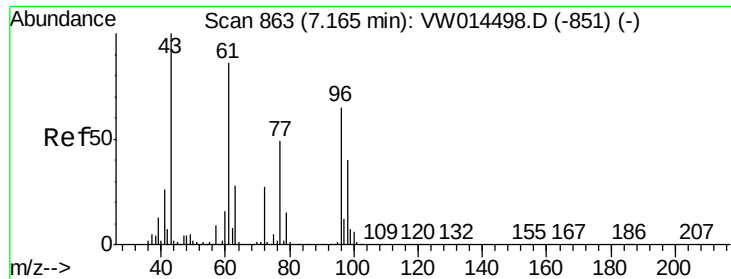
97 23.5 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

cis-1,2-Dichloroethene

Concen: 50.37 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

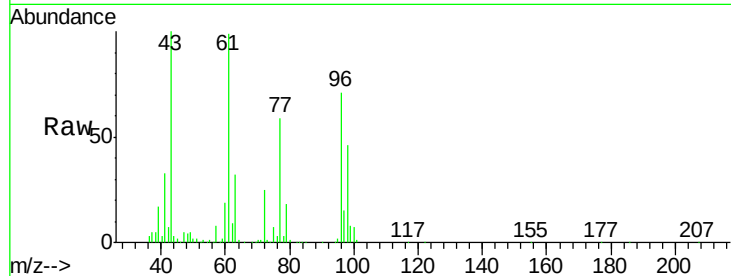
Tgt Ion: 96 Resp: 377277

Ion Ratio Lower Upper

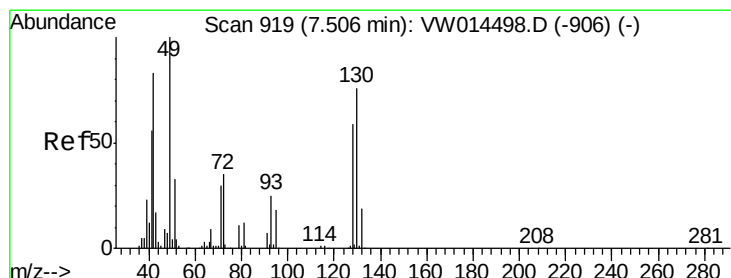
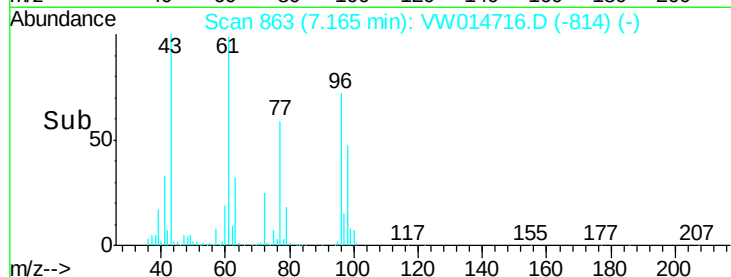
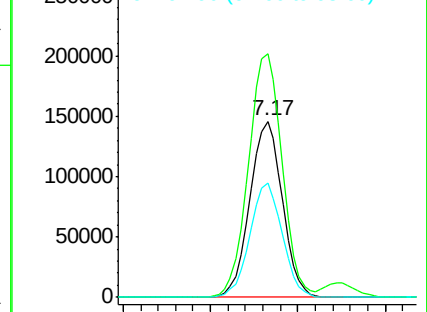
96 100

61 143.2 0.0 274.8

98 64.7 0.0 128.6



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



#28

Bromochloromethane

Concen: 58.52 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

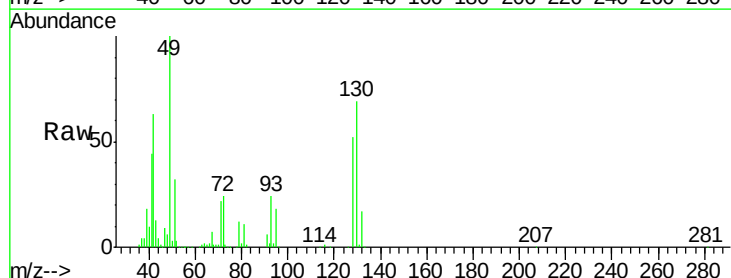
Tgt Ion: 49 Resp: 277915

Ion Ratio Lower Upper

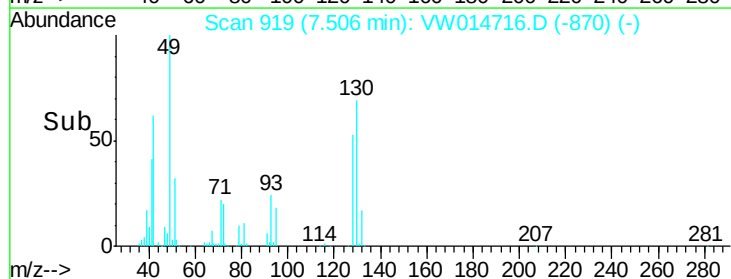
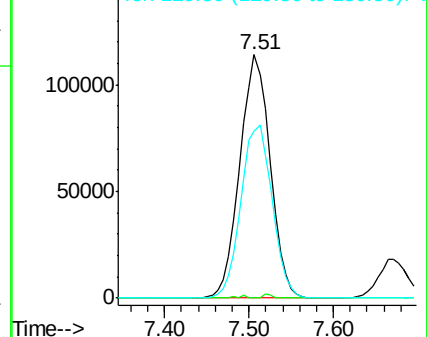
49 100

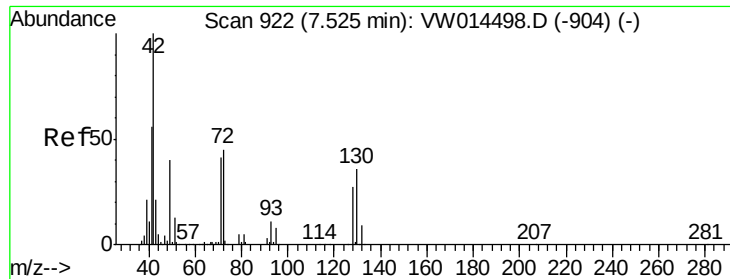
129 0.4 0.0 2.0

130 73.2 62.5 93.7



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

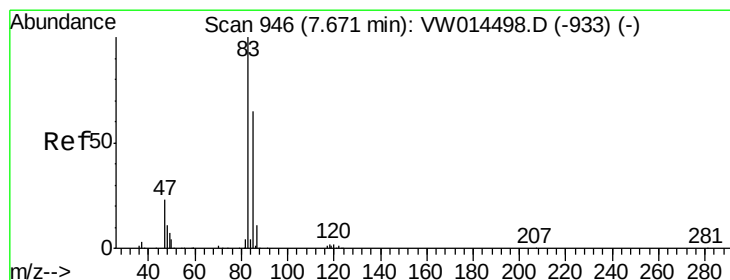
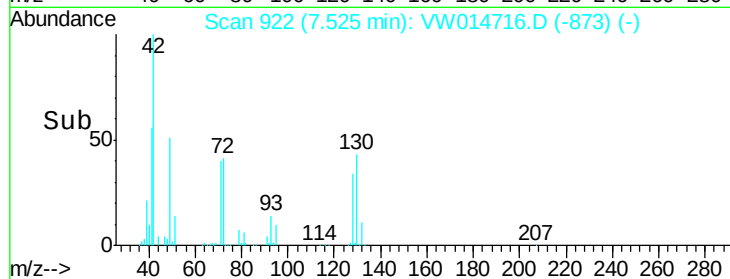
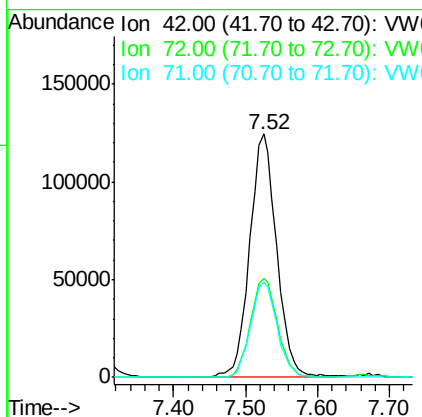
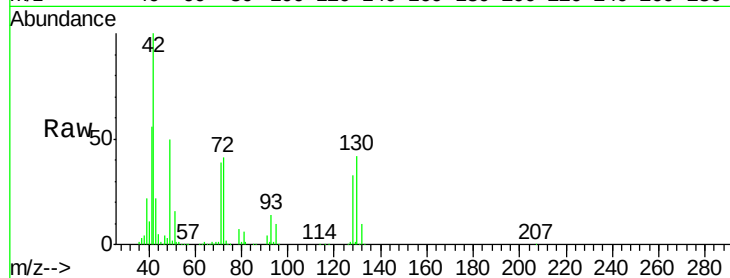




#29
Tetrahydrofuran
Concen: 244.26 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

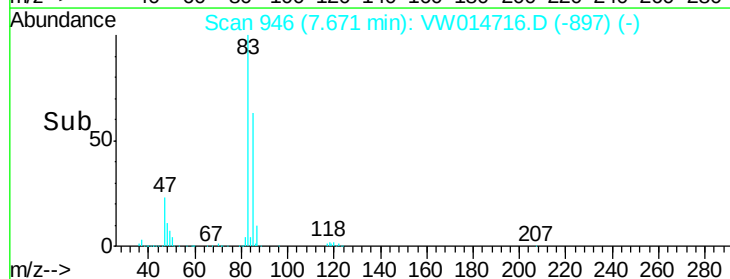
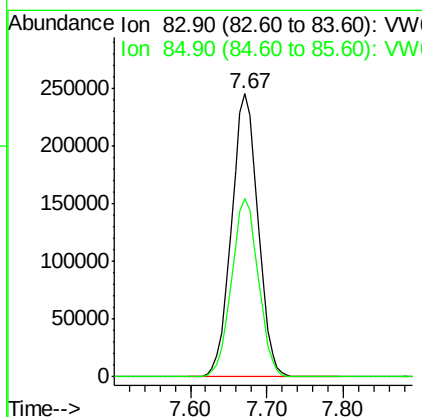
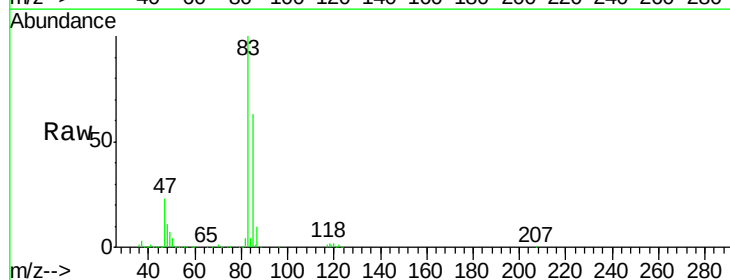
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

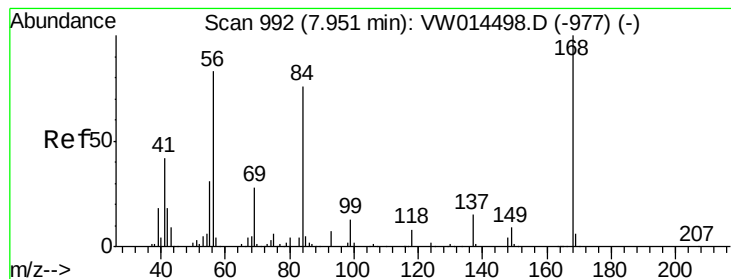
Tgt Ion: 42 Resp: 323433
Ion Ratio Lower Upper
42 100
72 41.0 34.5 51.7
71 38.6 32.0 48.0



#30
Chloroform
Concen: 51.96 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 83 Resp: 588598
Ion Ratio Lower Upper
83 100
85 63.0 52.2 78.2





#31

Cyclohexane

Concen: 49.04 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

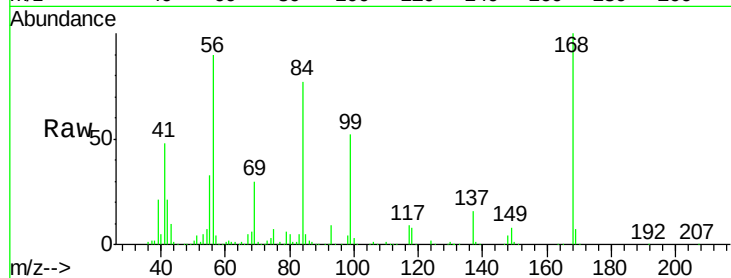
Tgt Ion: 56 Resp: 617298

Ion Ratio Lower Upper

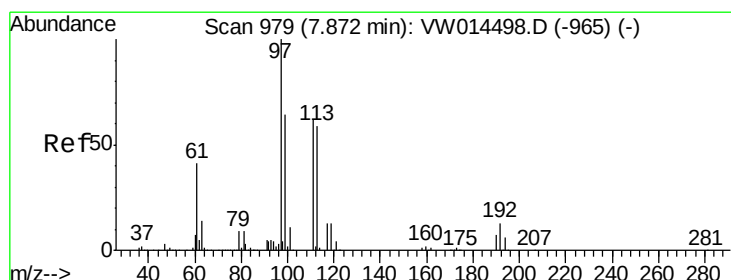
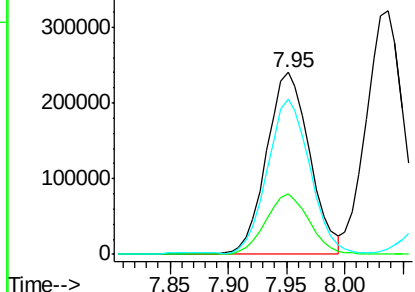
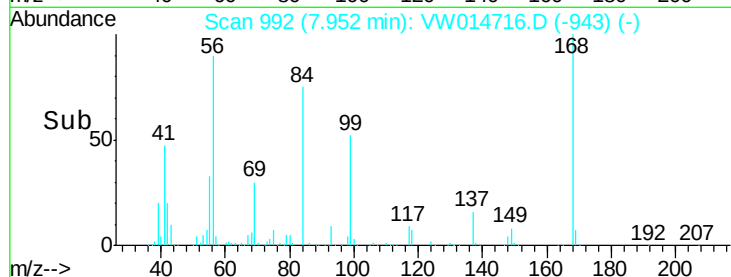
56 100

69 33.1 26.8 40.2

84 84.3 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: 52.35 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

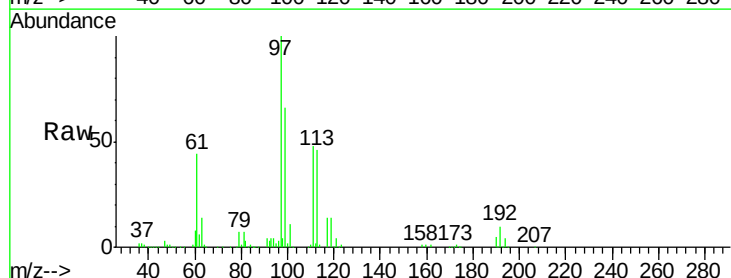
Tgt Ion: 97 Resp: 476908

Ion Ratio Lower Upper

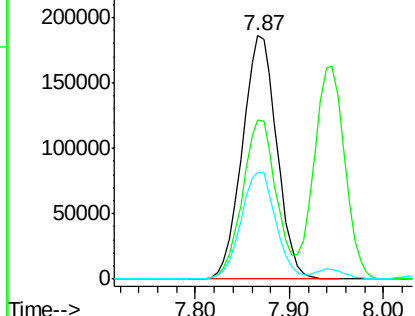
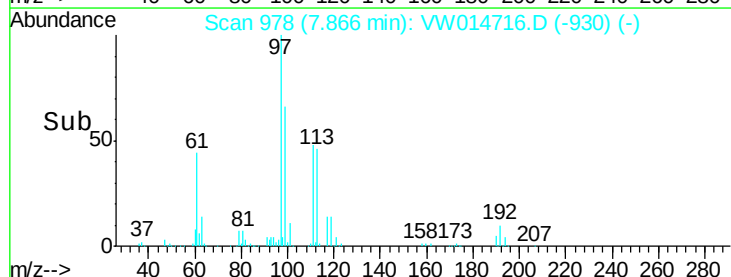
97 100

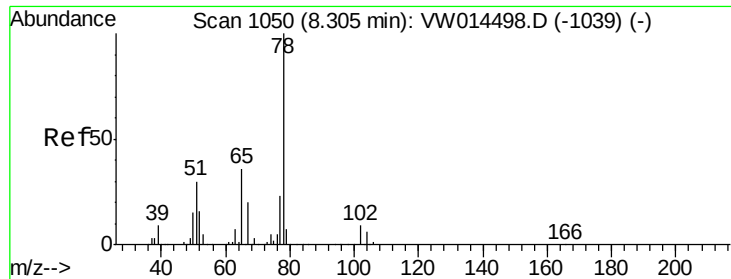
99 63.8 51.8 77.6

61 44.9 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: 53.98 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

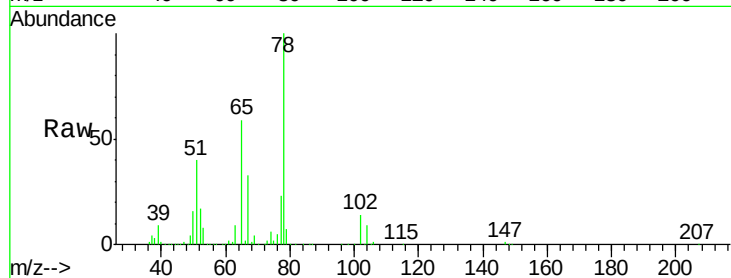
VSTDCCC050EC

Tgt Ion: 65 Resp: 318373

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

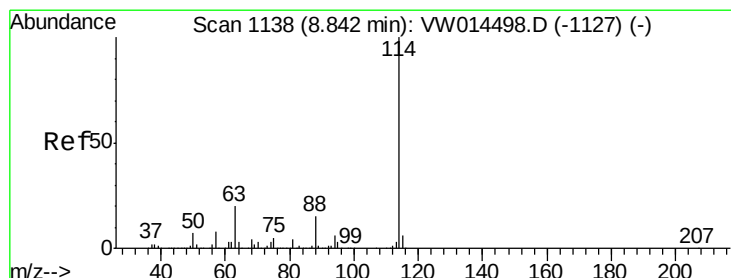
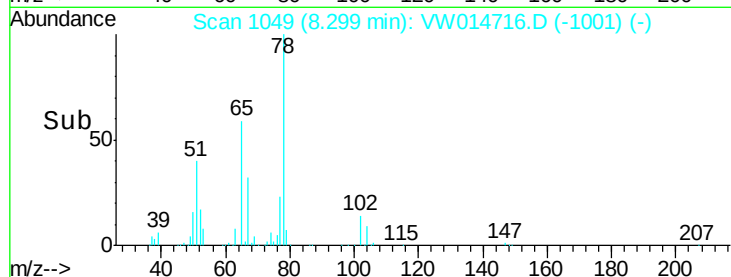
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

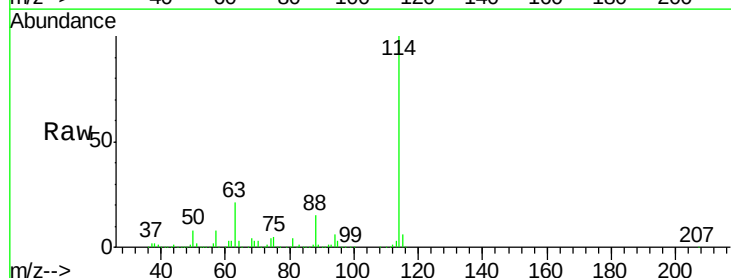
Tgt Ion: 114 Resp: 1026851

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.4

88 14.9 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

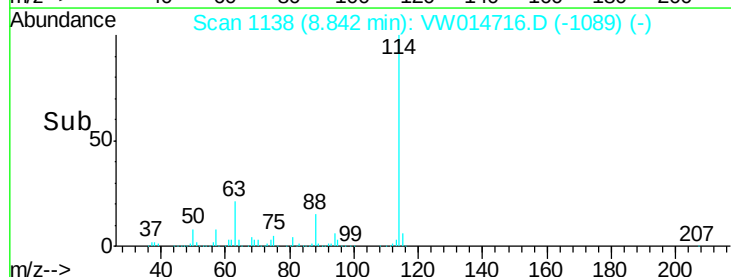
600000

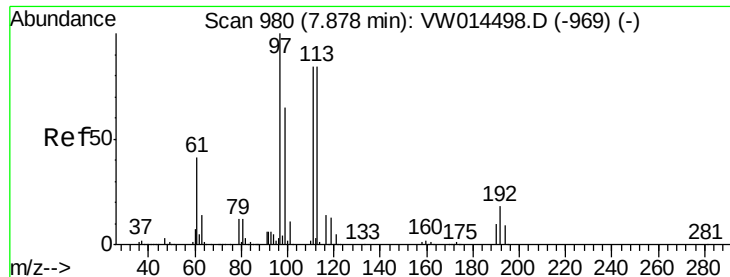
400000

200000

0

Time-->

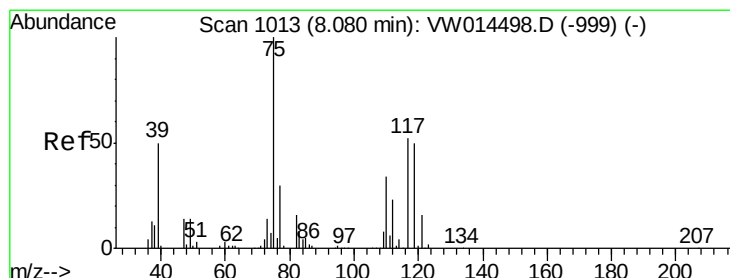
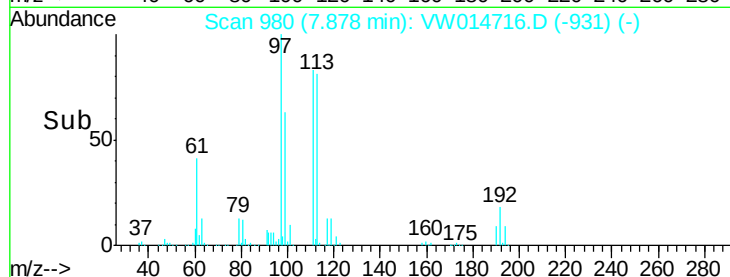
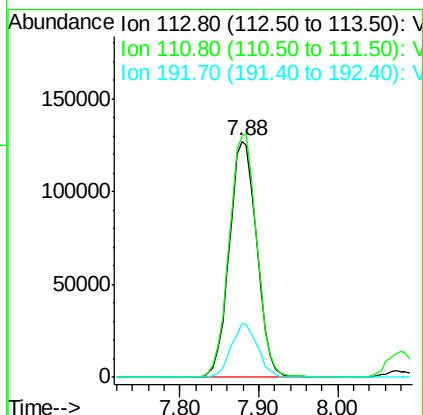
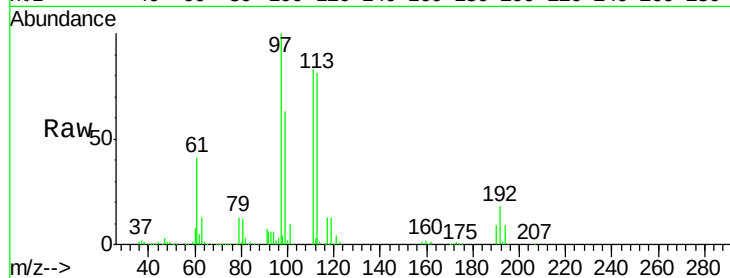




#35
 Dibromofluoromethane
 Concen: 52.41 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

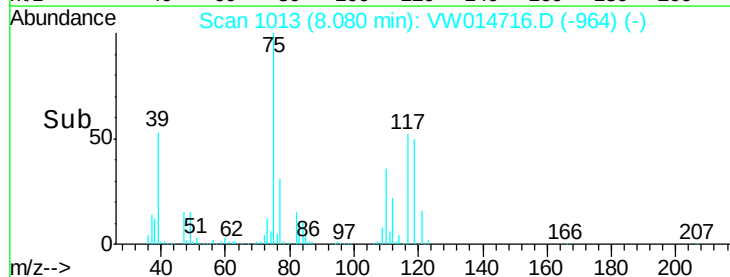
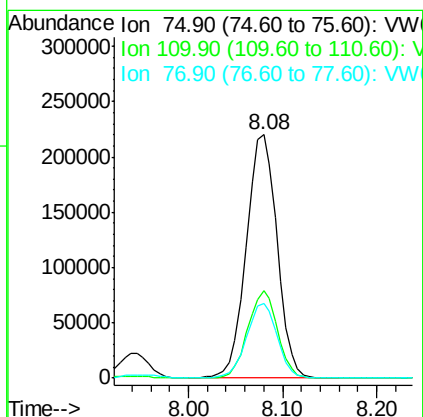
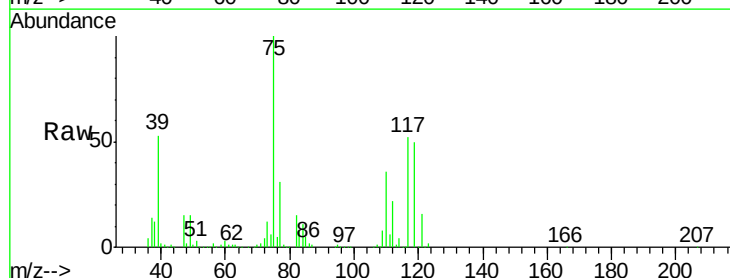
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

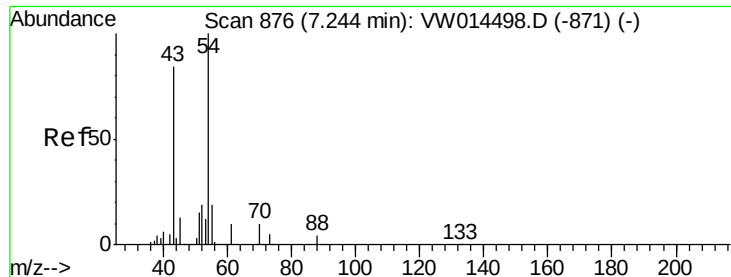
Tgt Ion: 113 Resp: 307597
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.2
 192 21.9 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 50.58 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion: 75 Resp: 500711
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.8 53.5
 77 30.9 24.7 37.1

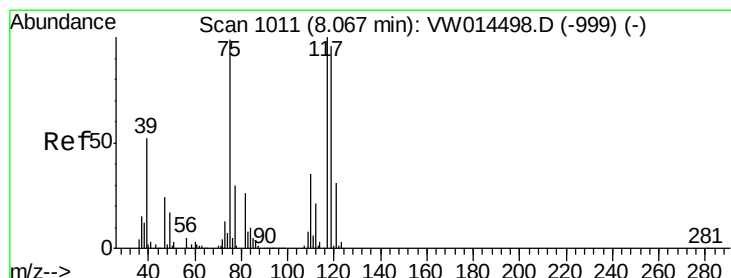
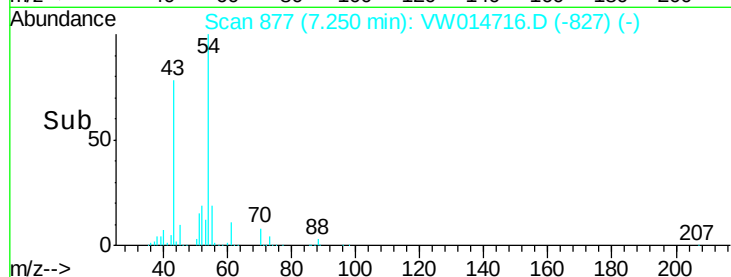
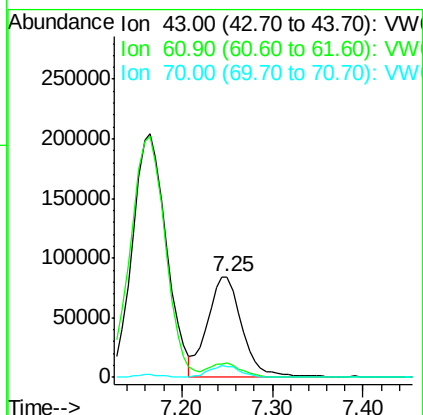
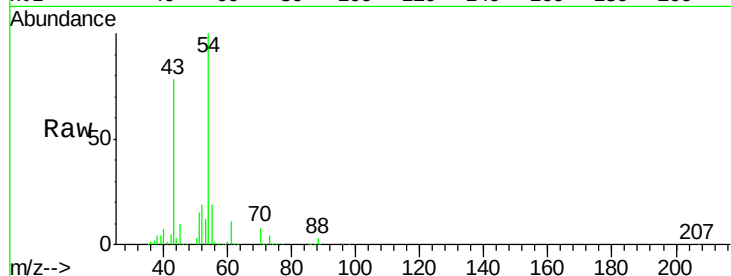




#37
Ethyl Acetate
Concen: 49.86 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

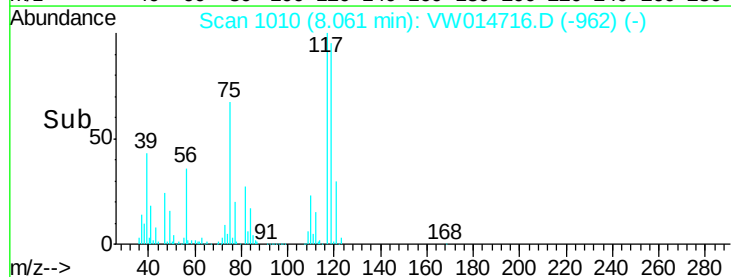
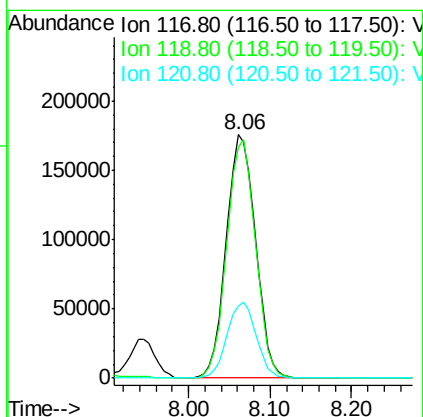
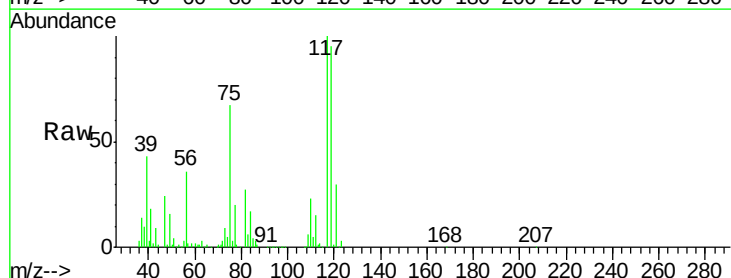
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

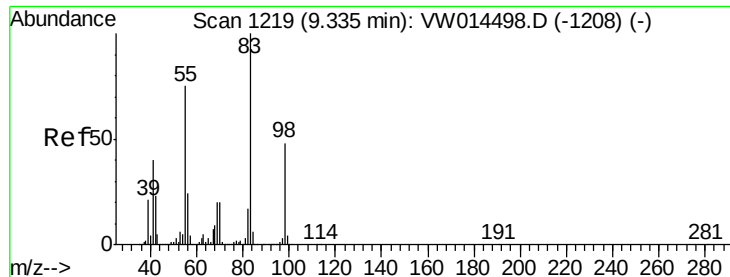
Tgt Ion: 43 Resp: 223850
Ion Ratio Lower Upper
43 100
61 13.4 11.7 17.5
70 10.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 50.74 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 117 Resp: 435737
Ion Ratio Lower Upper
117 100
119 94.9 77.0 115.6
121 29.8 24.6 36.8

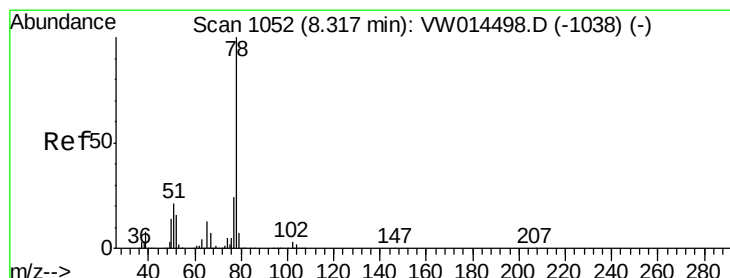
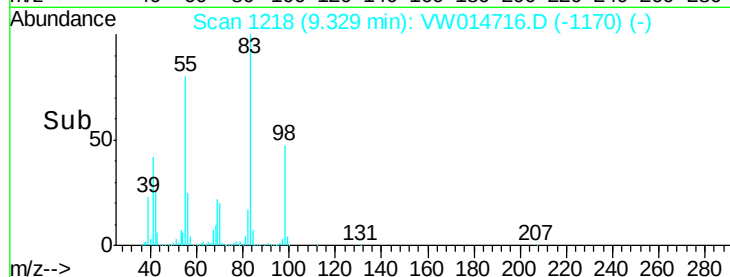
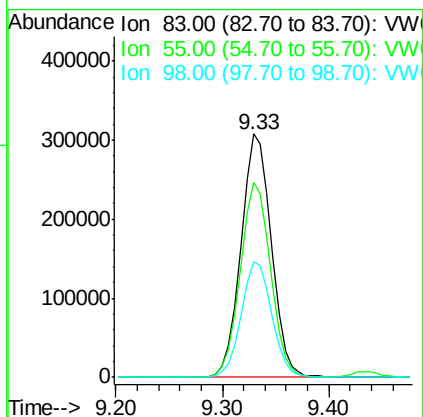
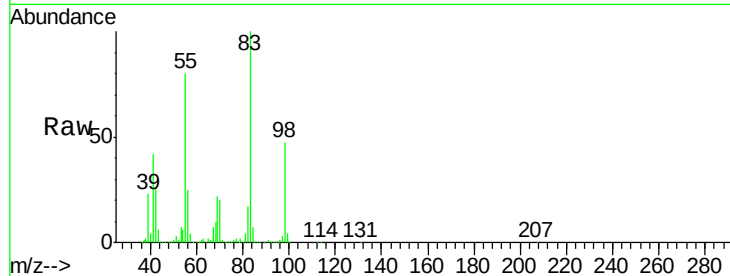




#39
Methylcyclohexane
Concen: 48.69 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

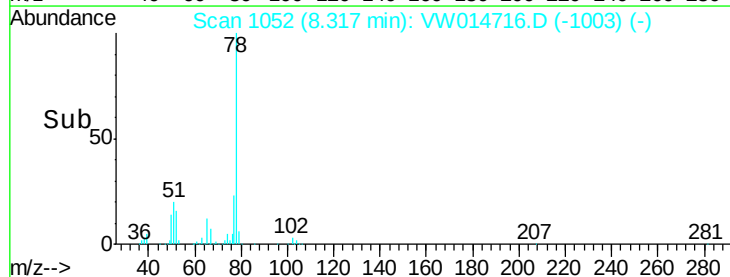
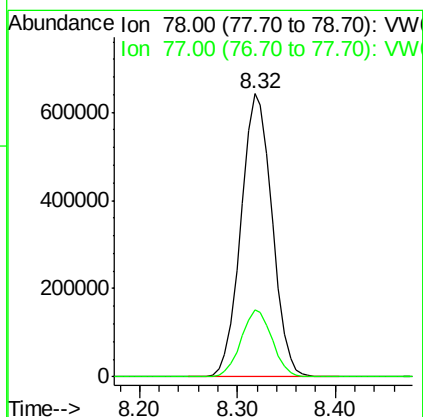
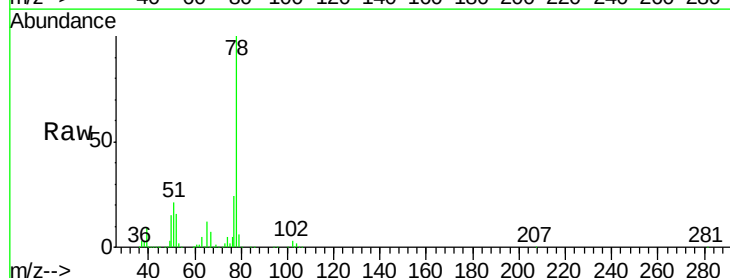
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

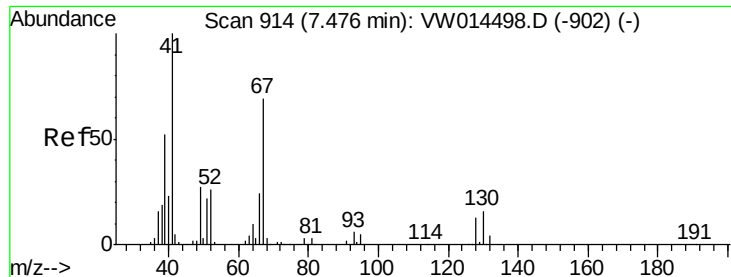
Tgt Ion: 83 Resp: 618516
Ion Ratio Lower Upper
83 100
55 80.1 60.1 90.1
98 47.5 38.8 58.2



#40
Benzene
Concen: 50.57 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 78 Resp: 1416399
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9

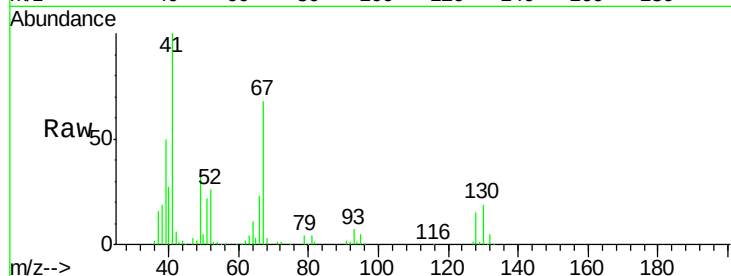




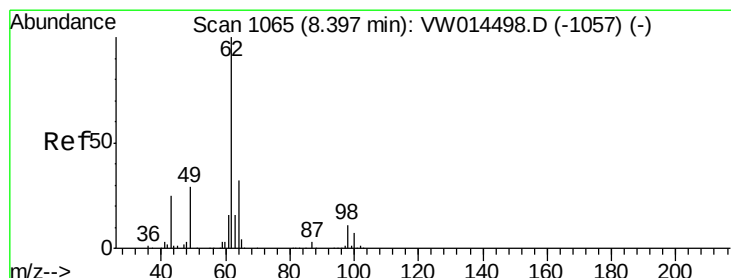
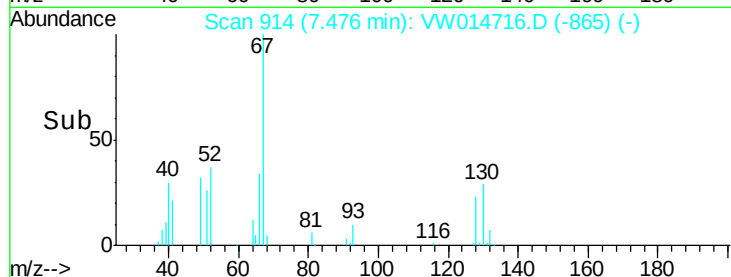
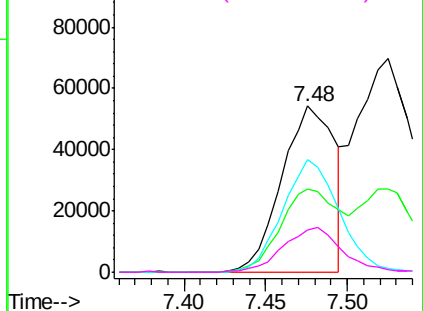
#41
Methacrylonitrile
Concen: 48.75 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	121999
Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.0	69.0
67	73.4	60.8	91.2
52	29.5	23.7	35.5

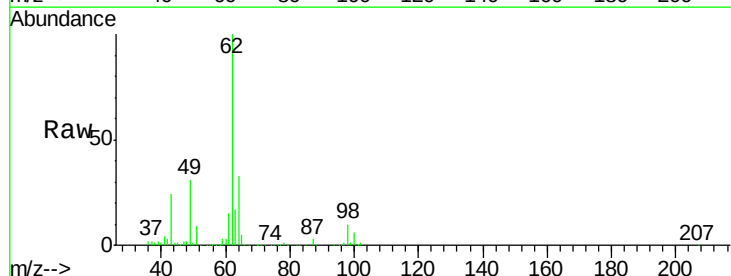


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

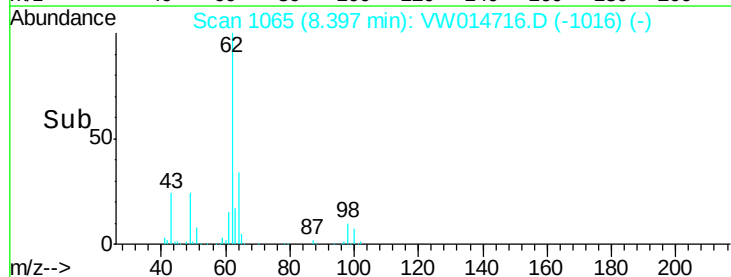
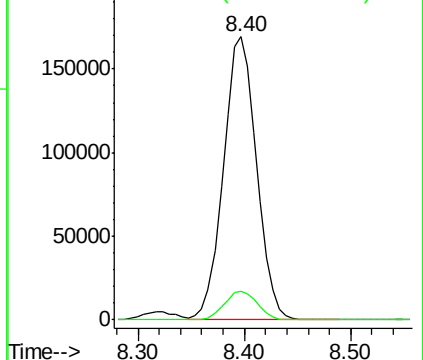


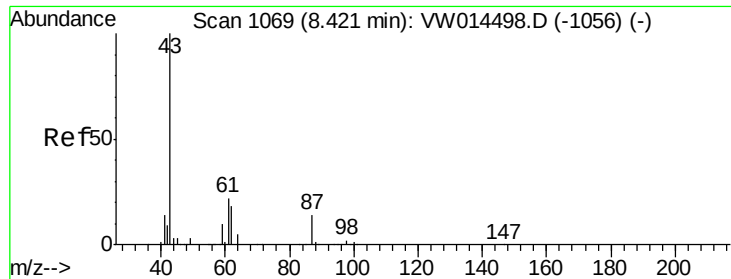
#42
1,2-Dichloroethane
Concen: 50.48 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion:	62	Resp:	366945
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.0



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

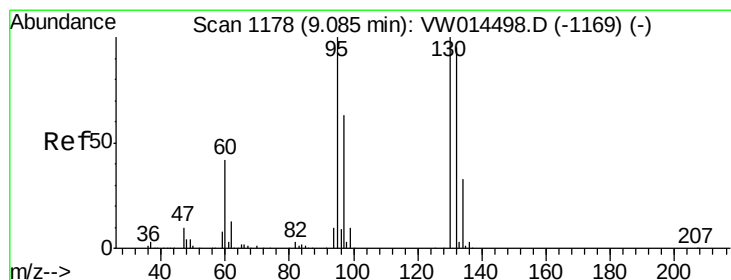
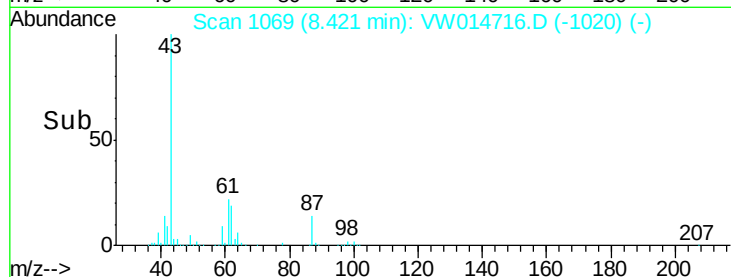
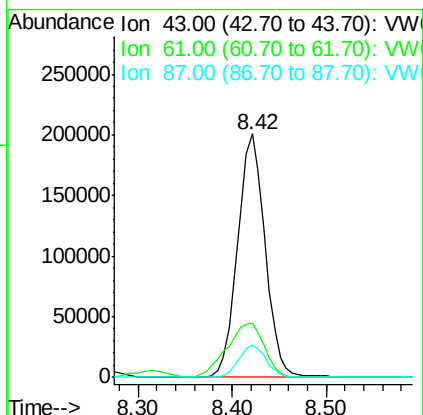
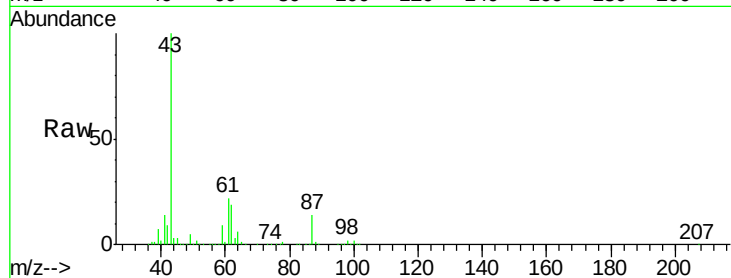




#43
Isopropyl Acetate
Concen: 49.87 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

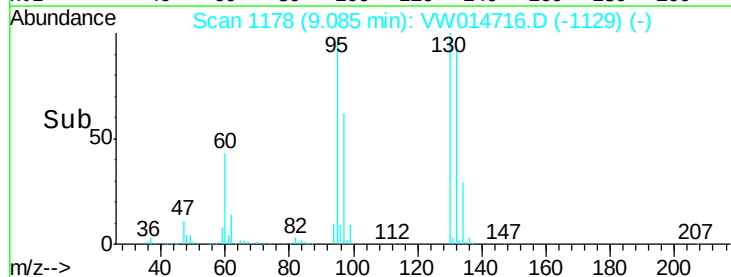
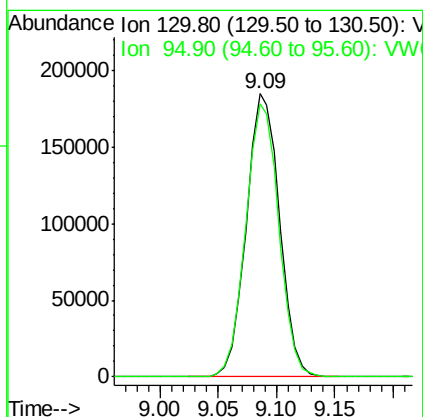
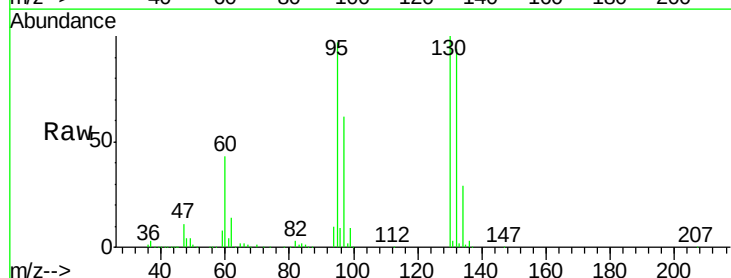
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

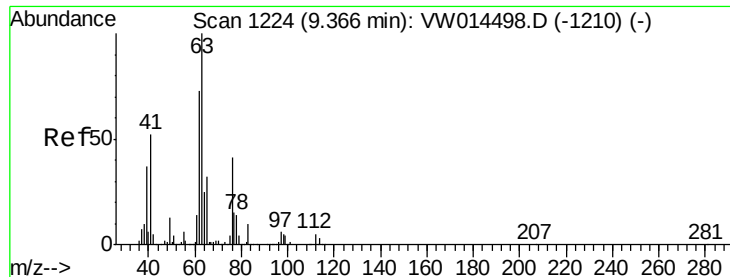
Tgt Ion: 43 Resp: 406551
Ion Ratio Lower Upper
43 100
61 30.7 24.7 37.1
87 13.3 11.1 16.7



#44
Trichloroethene
Concen: 48.55 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 130 Resp: 367993
Ion Ratio Lower Upper
130 100
95 96.6 0.0 199.4





#45

1,2-Dichloropropane

Concen: 51.02 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

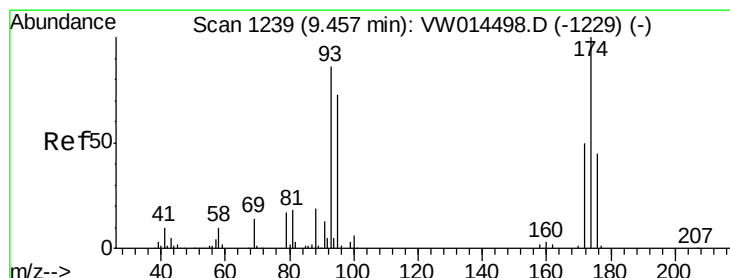
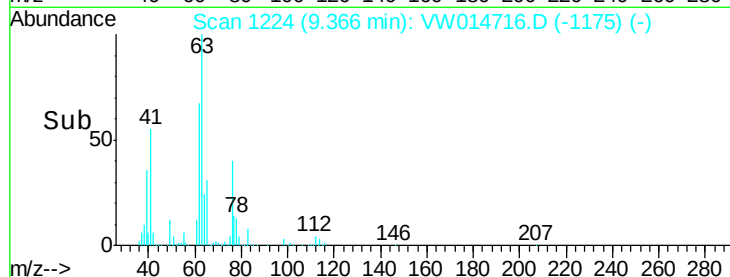
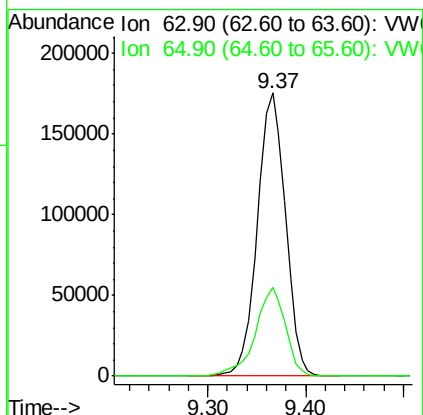
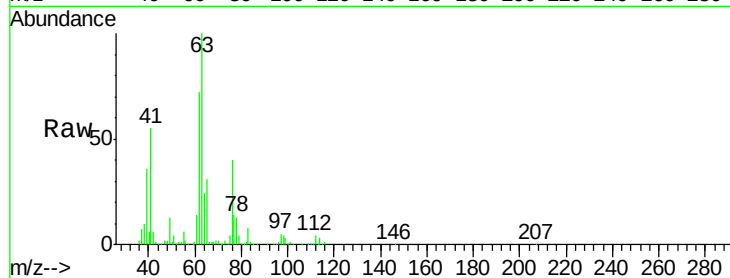
VSTDCCC050EC

Tgt Ion: 63 Resp: 350651

Ion Ratio Lower Upper

63 100

65 31.3 25.6 38.4



#46

Dibromomethane

Concen: 49.19 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

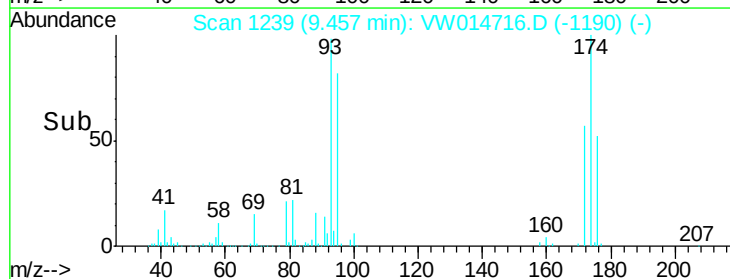
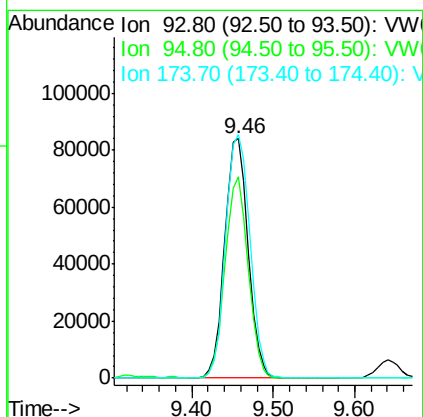
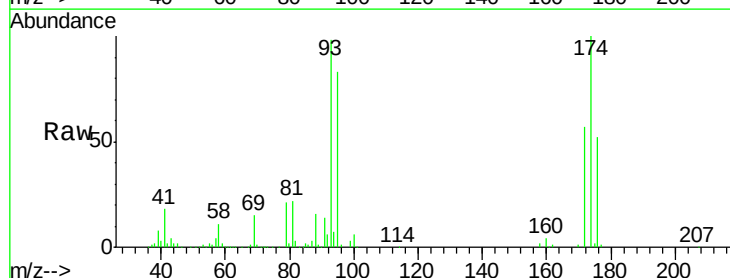
Tgt Ion: 93 Resp: 166919

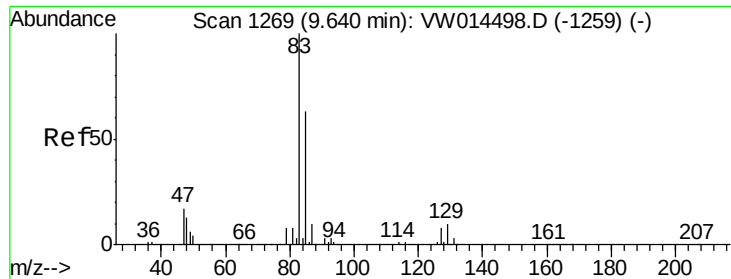
Ion Ratio Lower Upper

93 100

95 82.1 66.4 99.6

174 105.3 89.1 133.7





#47

Bromodichloromethane

Concen: 50.98 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

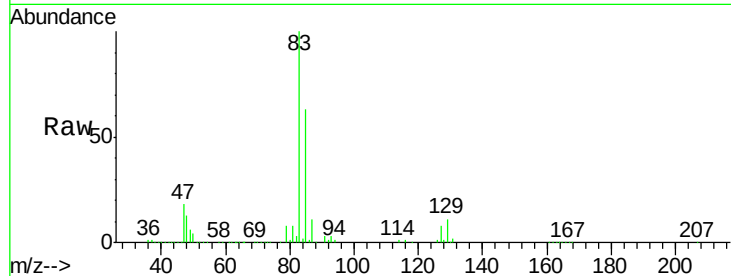
Tgt Ion: 83 Resp: 427071

Ion Ratio Lower Upper

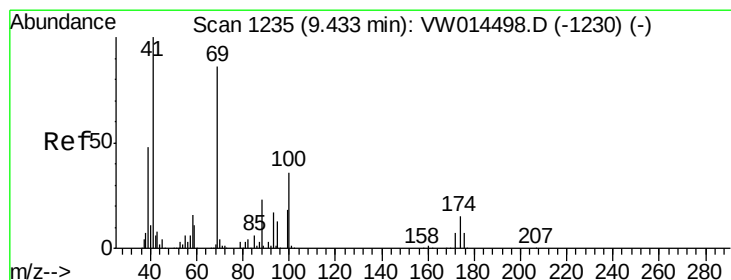
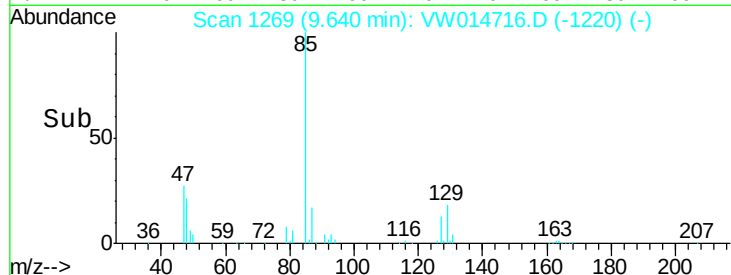
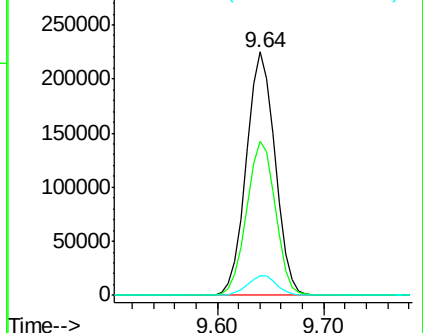
83 100

85 63.3 50.6 76.0

127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.89 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

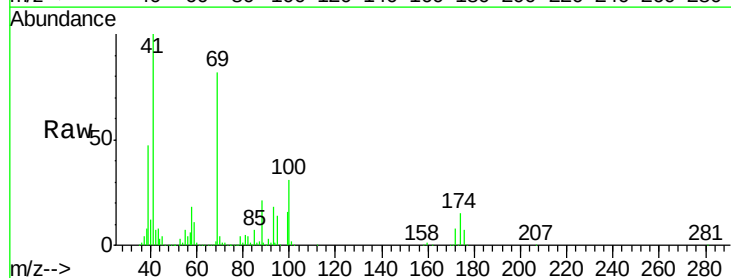
Tgt Ion: 41 Resp: 198572

Ion Ratio Lower Upper

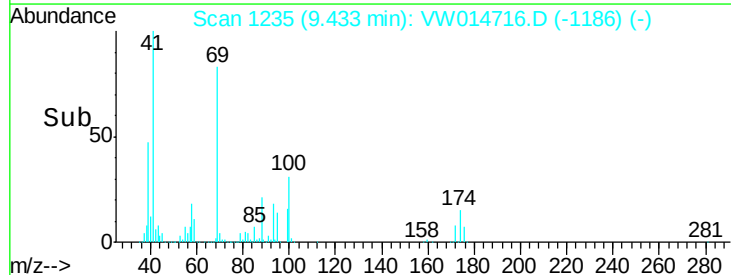
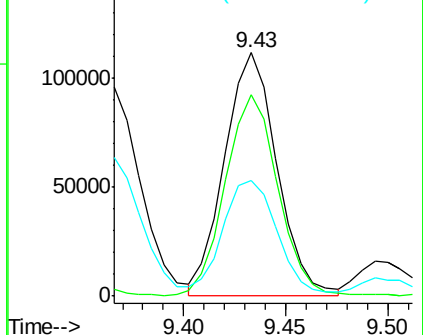
41 100

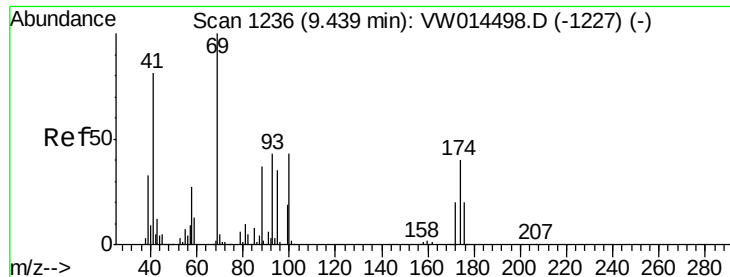
69 83.8 68.3 102.5

39 46.0 36.8 55.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 950.96 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

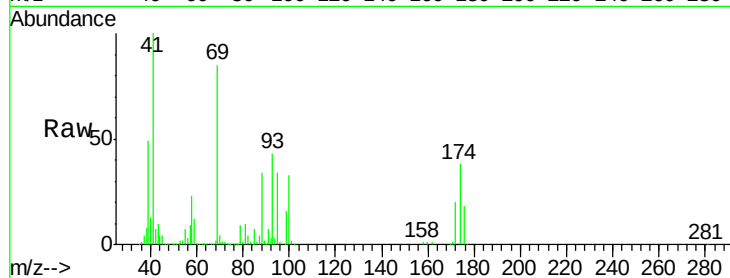
Tgt Ion: 88 Resp: 60349

Ion Ratio Lower Upper

88 100

43 30.7 24.9 37.3

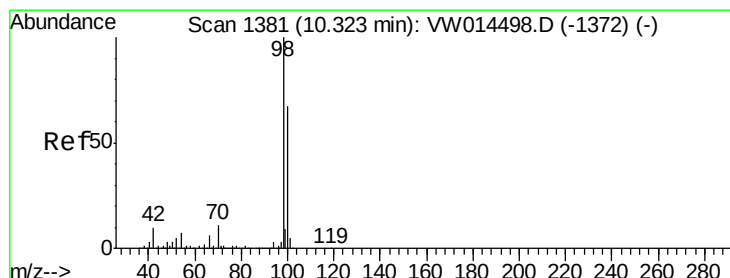
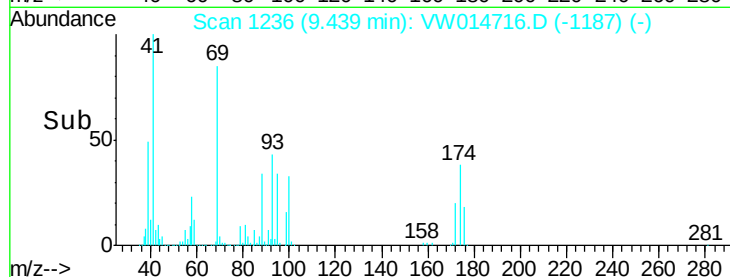
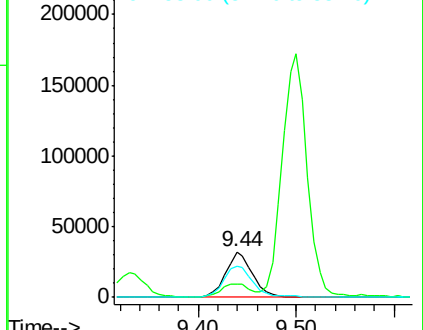
58 73.0 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.60 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014716.D

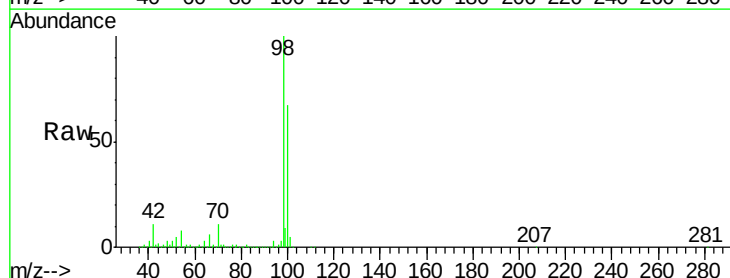
Acq: 22 Jan 2020 16:37

Tgt Ion: 98 Resp: 1263769

Ion Ratio Lower Upper

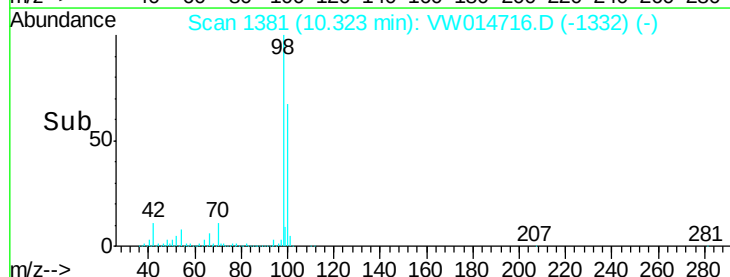
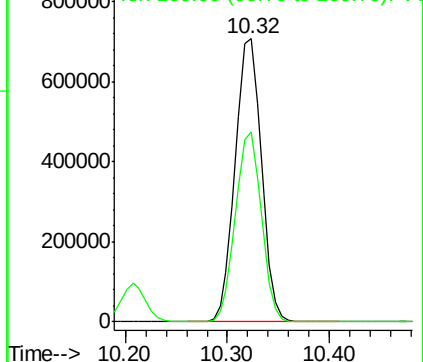
98 100

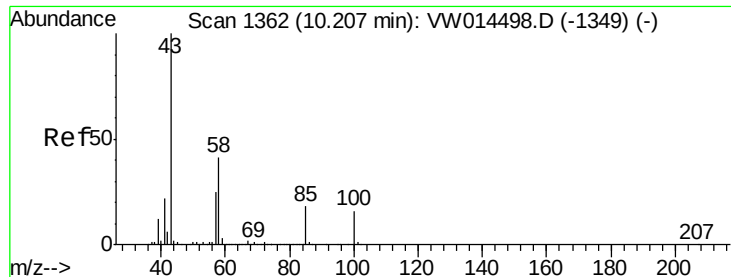
100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

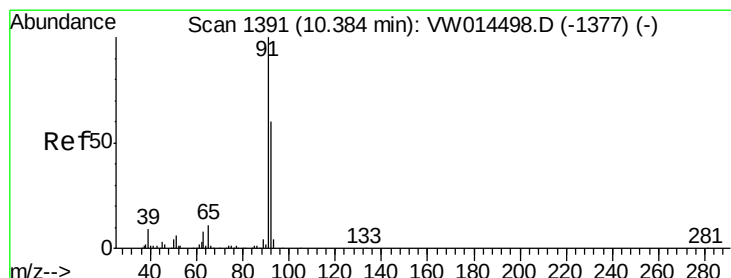
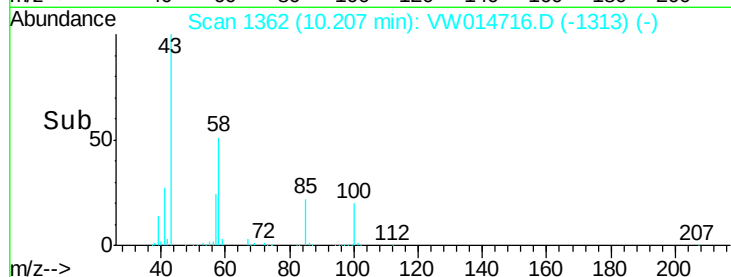
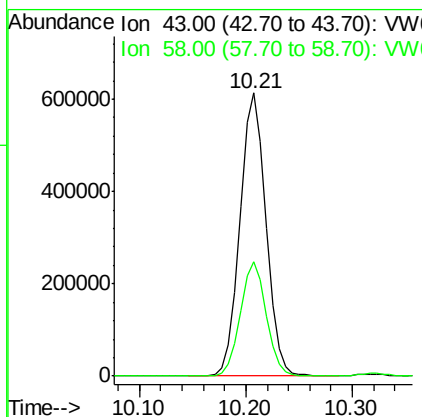
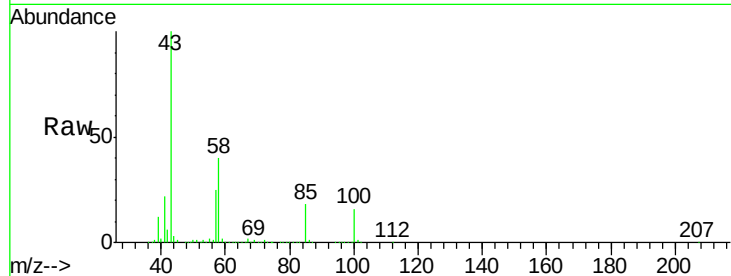




#51
 4-Methyl-2-Pentanone
 Concen: 248.90 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

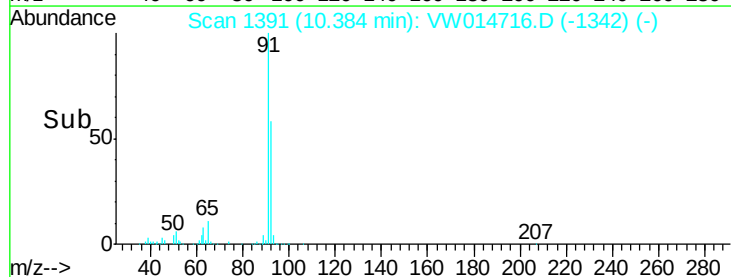
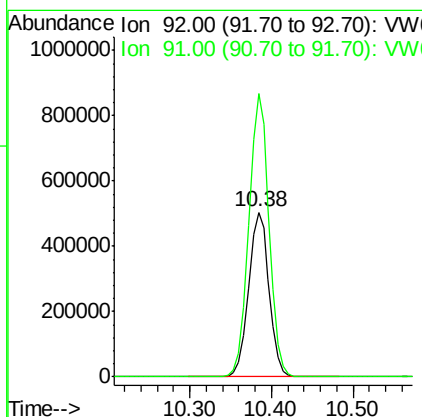
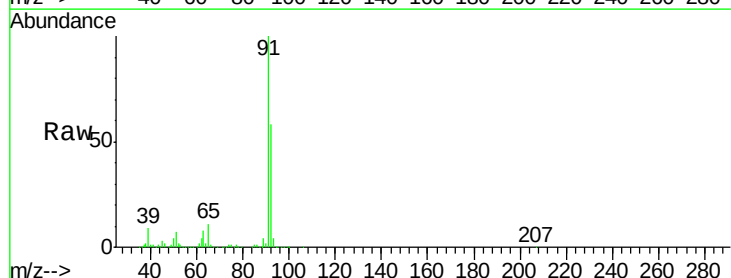
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

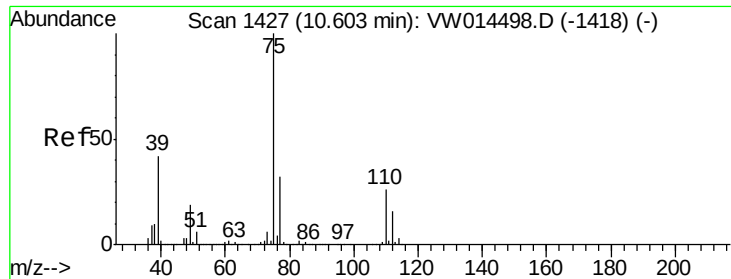
Tgt Ion: 43 Resp: 1053773
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.7 49.1



#52
 Toluene
 Concen: 49.75 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion: 92 Resp: 876651
 Ion Ratio Lower Upper
 92 100
 91 170.6 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 49.58 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

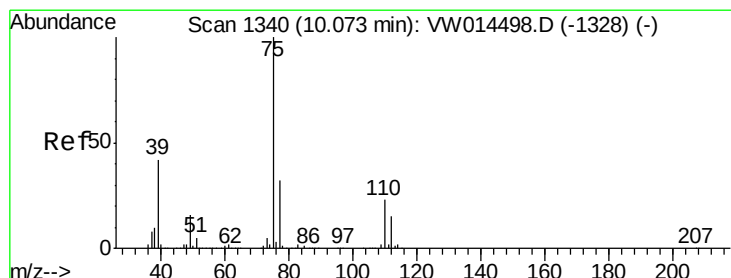
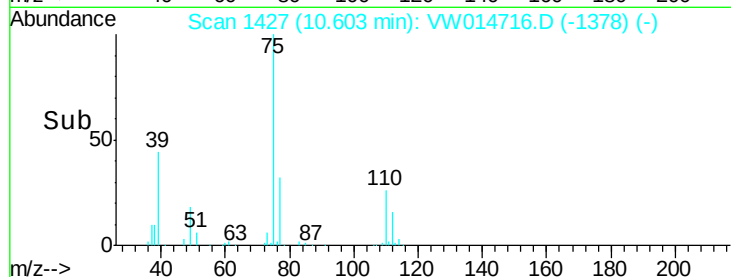
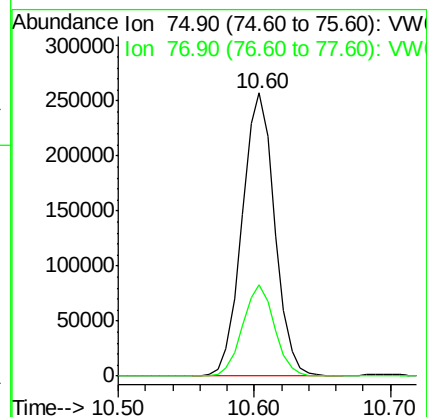
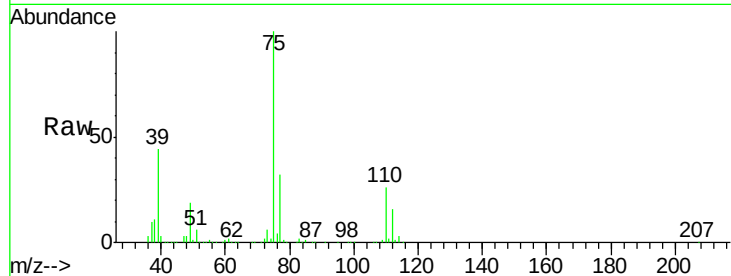
VSTDCCC050EC

Tgt Ion: 75 Resp: 430049

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.25 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

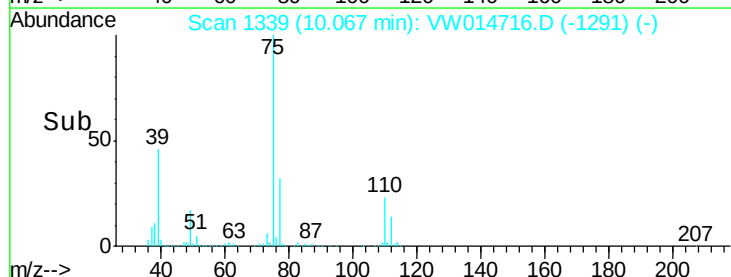
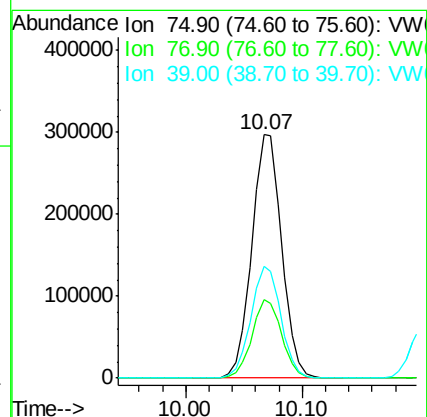
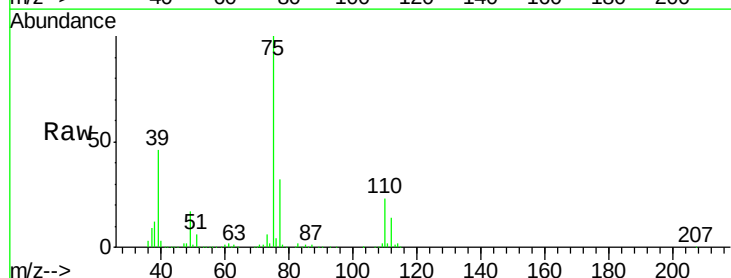
Tgt Ion: 75 Resp: 532655

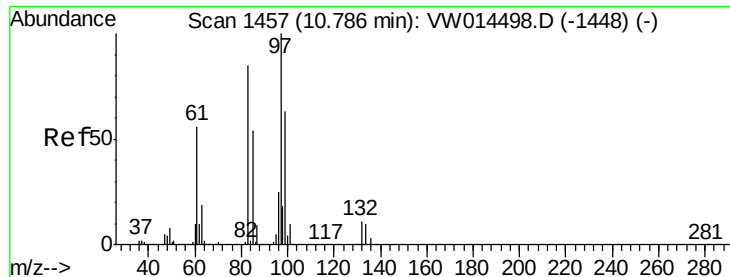
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 46.0 33.4 50.2

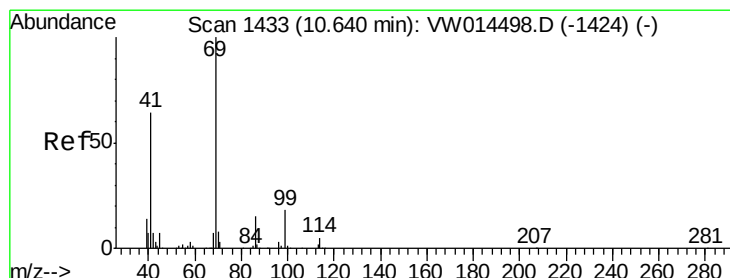
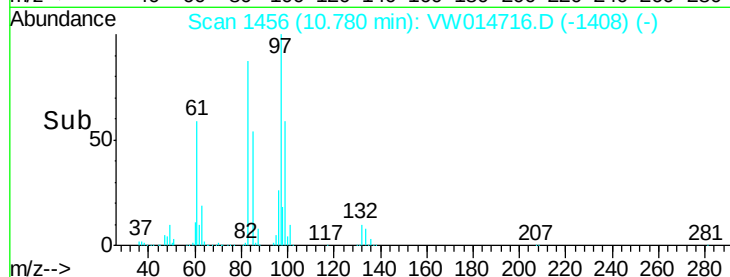
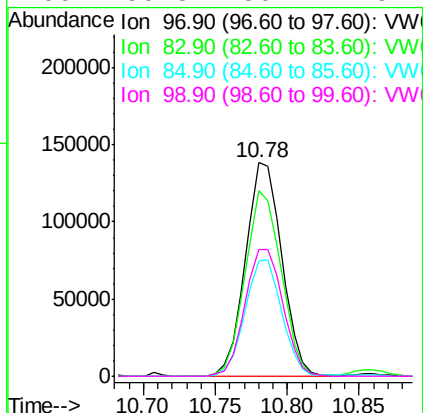
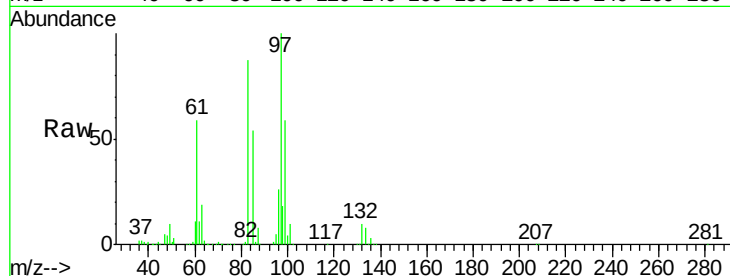




#55
 1,1,2-Trichloroethane
 Concen: 48.71 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

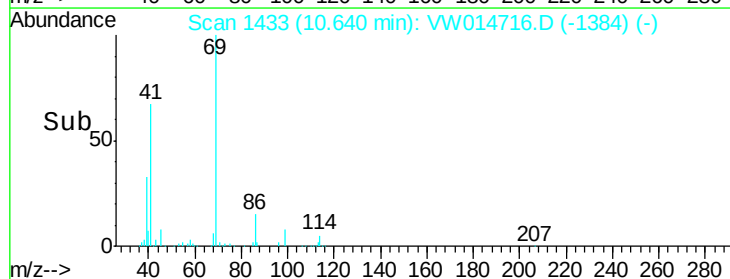
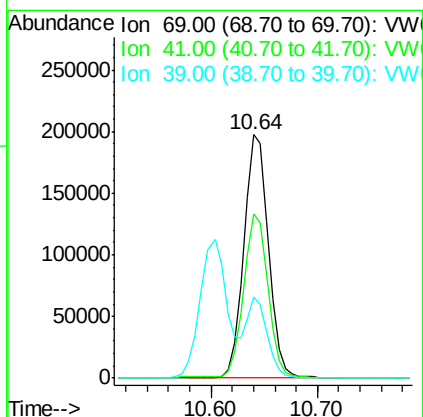
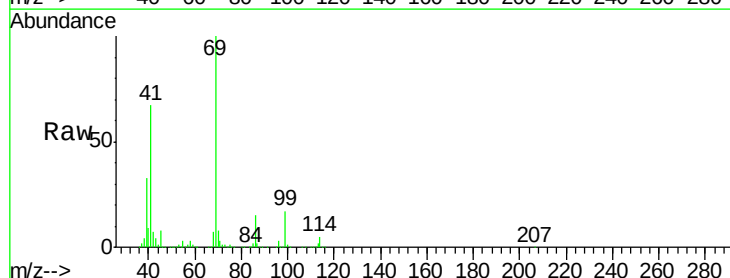
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

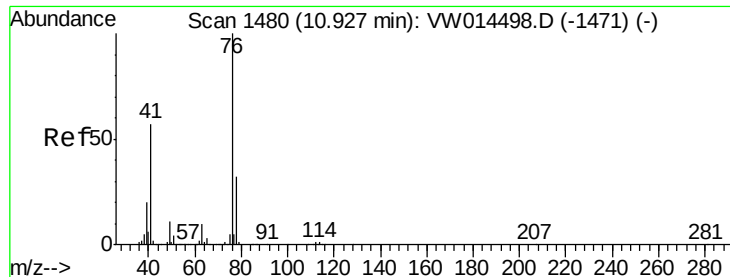
Tgt Ion:	97	Resp:	241388
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.2	102.4
85	53.8	43.0	64.4
99	59.3	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 49.77 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion:	69	Resp:	320501
Ion	Ratio	Lower	Upper
69	100		
41	66.8	51.3	76.9
39	27.4	21.0	31.6

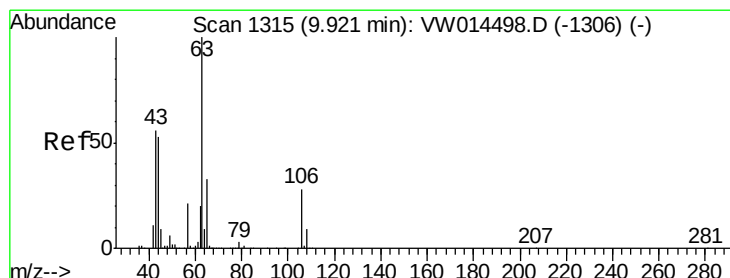
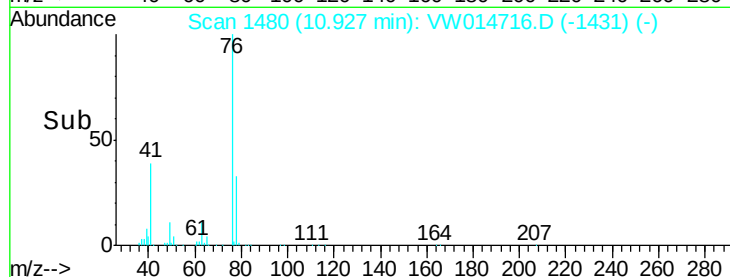
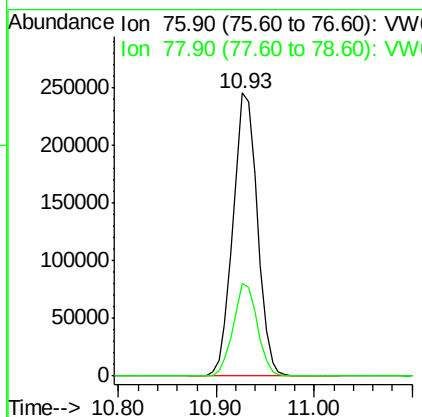
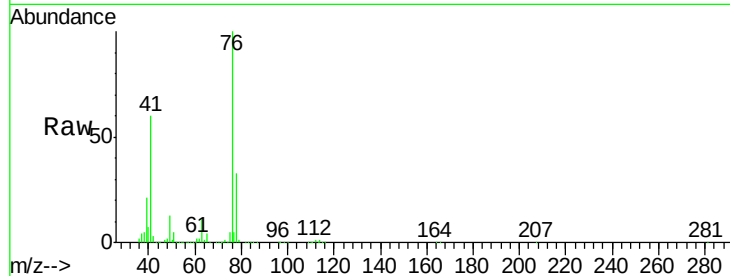




#57
 1,3-Dichloropropane
 Concen: 48.76 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

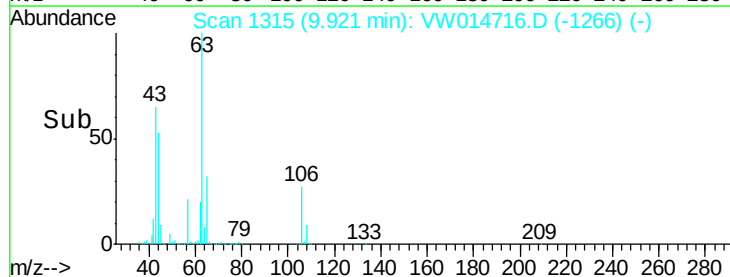
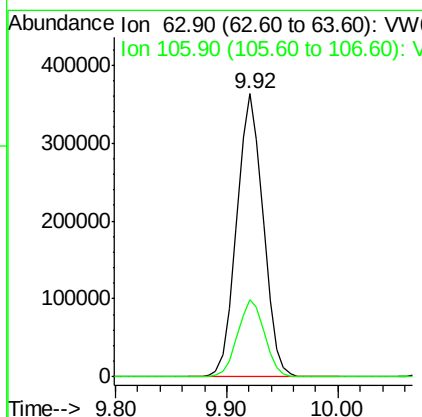
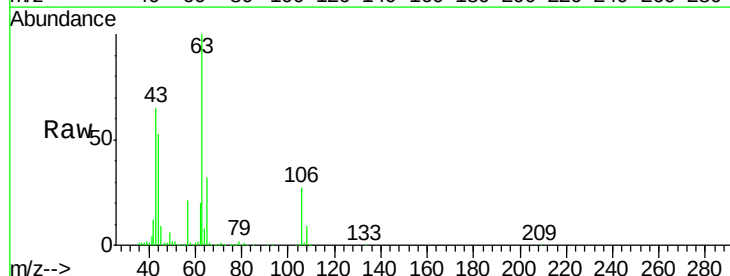
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

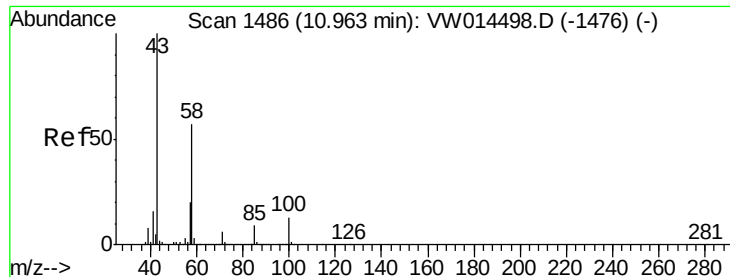
Tgt Ion: 76 Resp: 424665
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 305.49 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion: 63 Resp: 598339
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.0 34.6

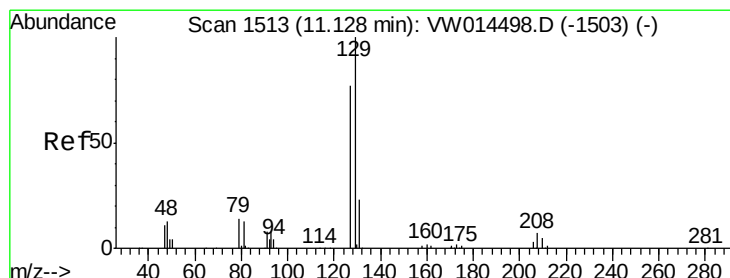
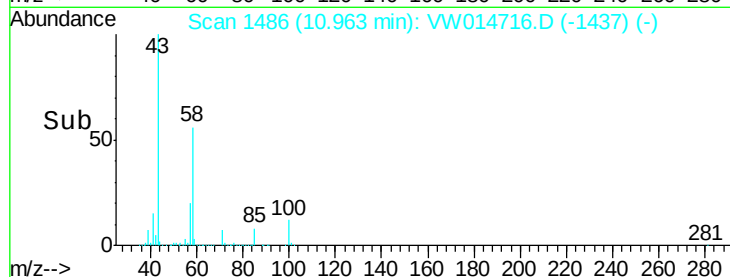
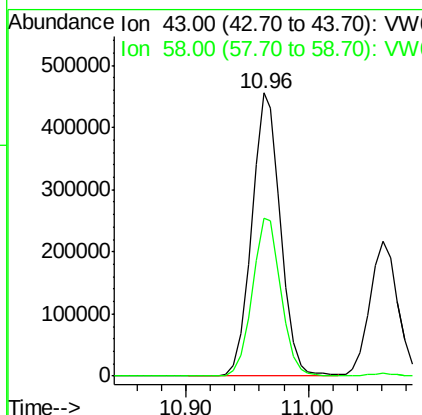
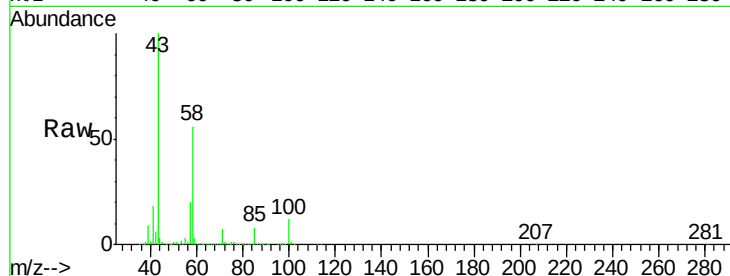




#59
2-Hexanone
Concen: 254.08 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

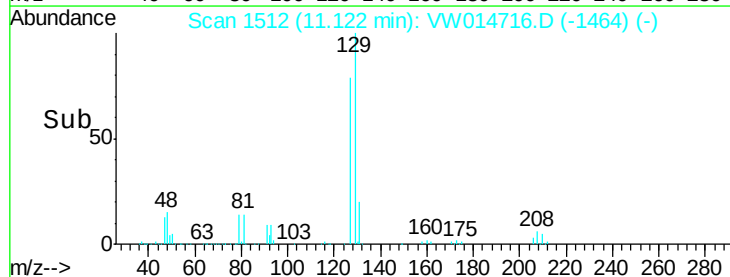
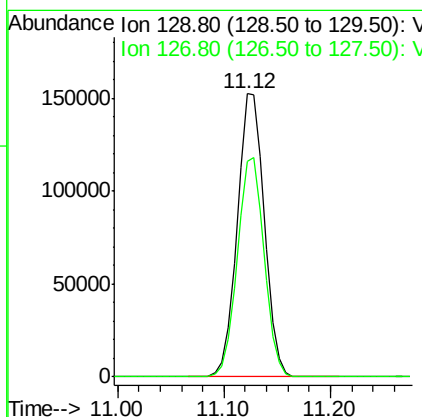
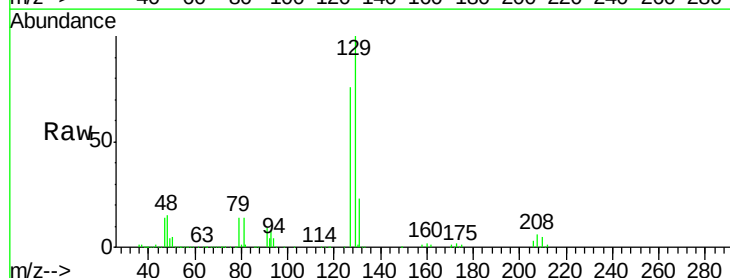
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

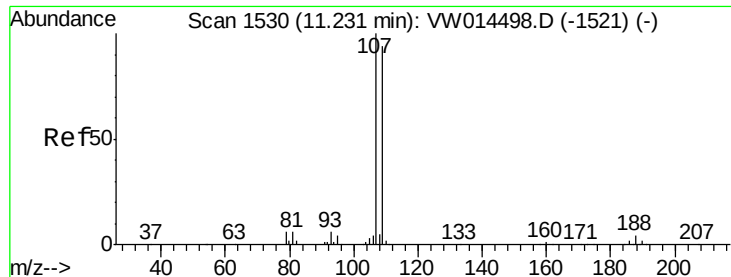
Tgt Ion: 43 Resp: 741247
Ion Ratio Lower Upper
43 100
58 56.1 28.7 86.3



#60
Dibromochloromethane
Concen: 48.77 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 129 Resp: 272709
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.5

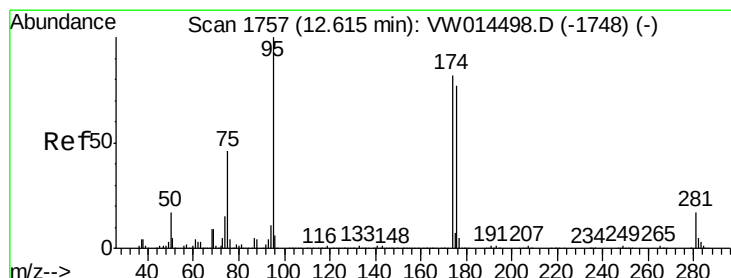
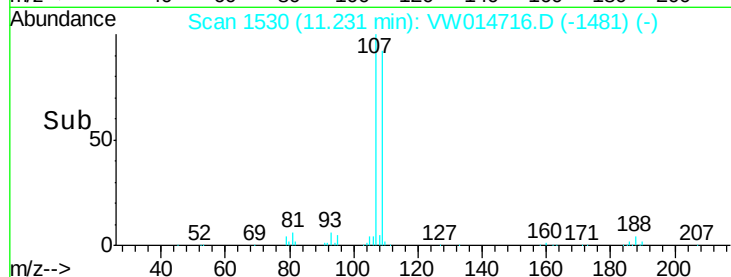
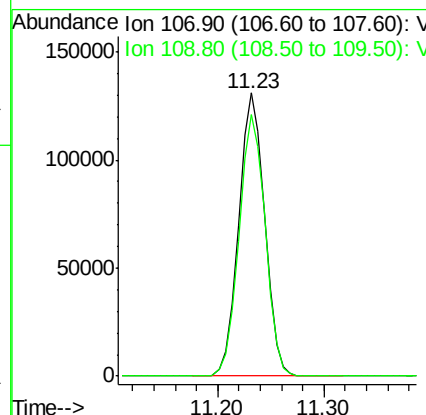
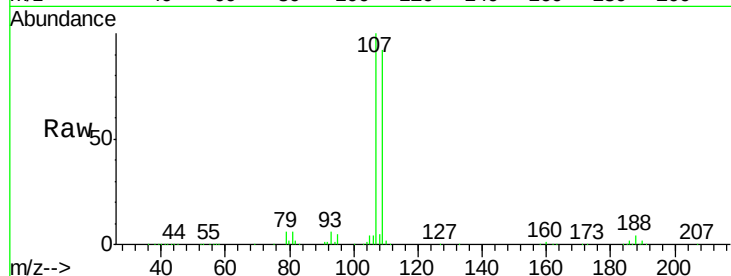




#61
 1,2-Dibromoethane
 Concen: 47.72 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

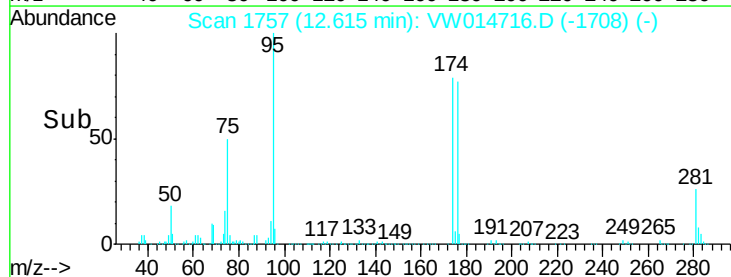
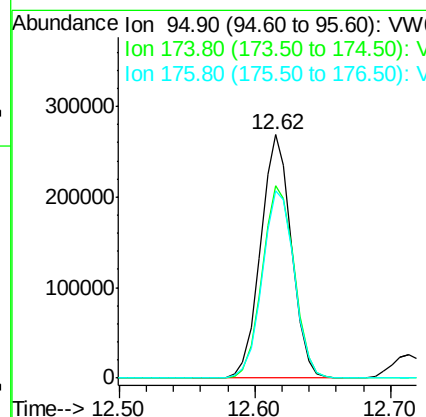
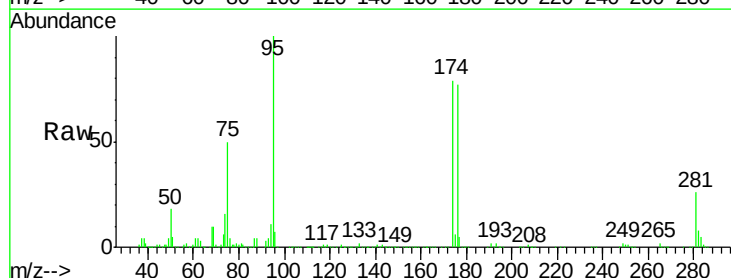
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

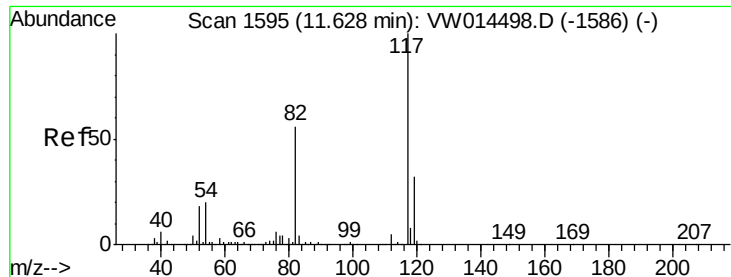
Tgt Ion: 107 Resp: 224475
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 51.22 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion: 95 Resp: 425494
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 168.6
 176 80.3 0.0 162.0

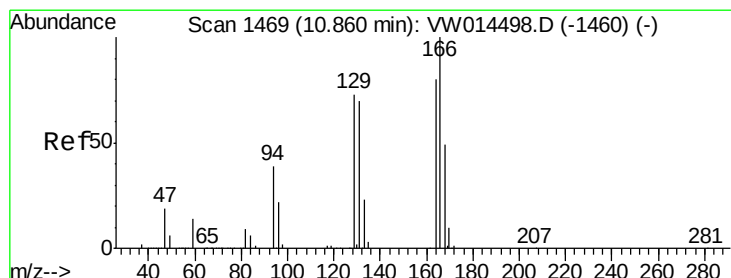
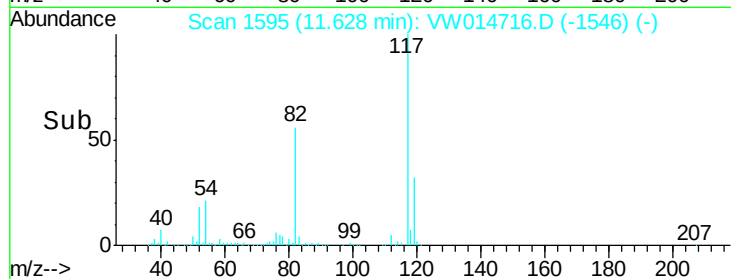
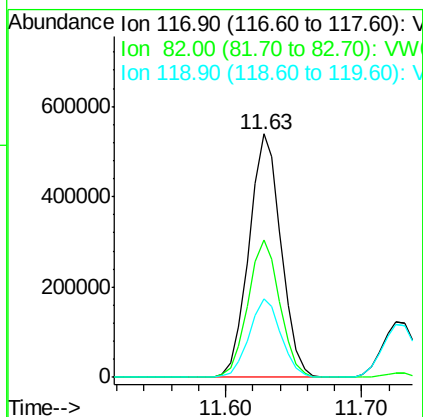
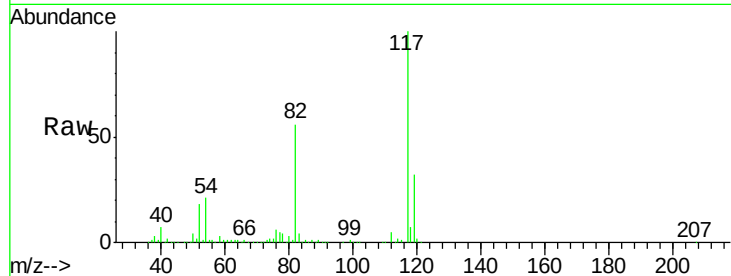




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

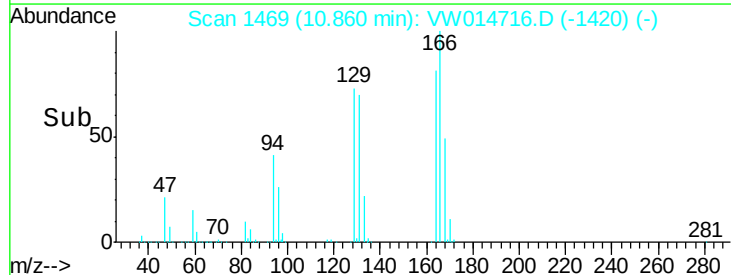
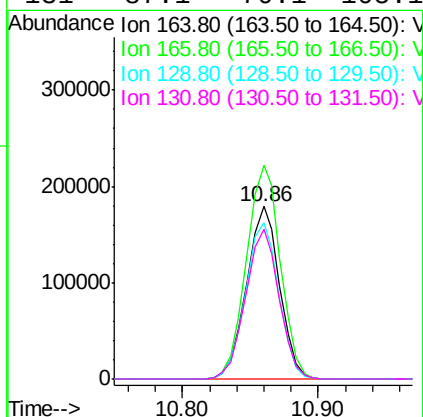
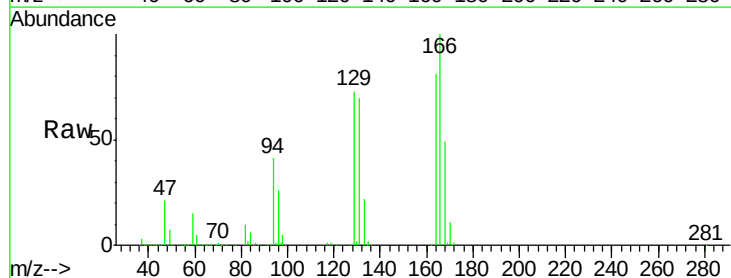
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

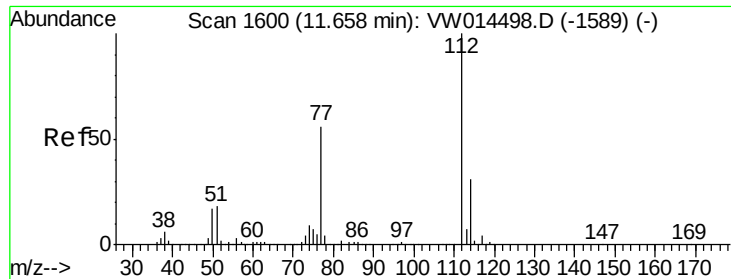
Tgt Ion:117 Resp: 890512
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 47.31 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion:164 Resp: 304995
Ion Ratio Lower Upper
164 100
166 123.8 99.8 149.6
129 90.2 72.4 108.6
131 87.1 70.1 105.1





#65

Chlorobenzene

Concen: 49.13 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

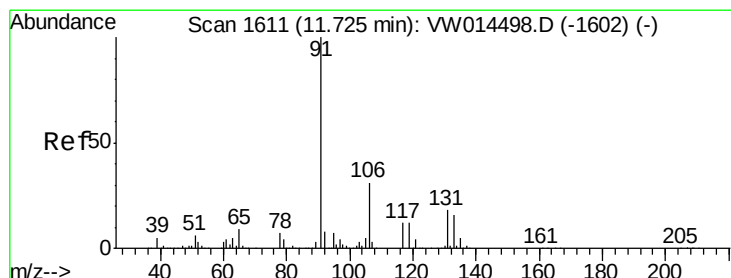
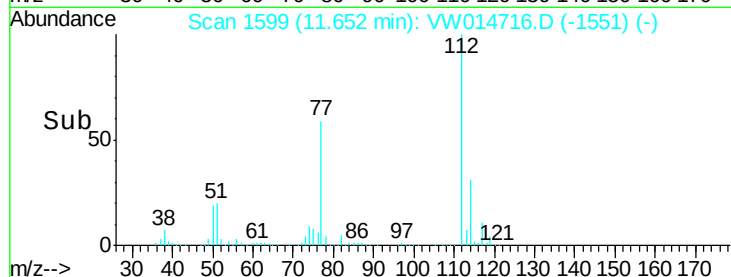
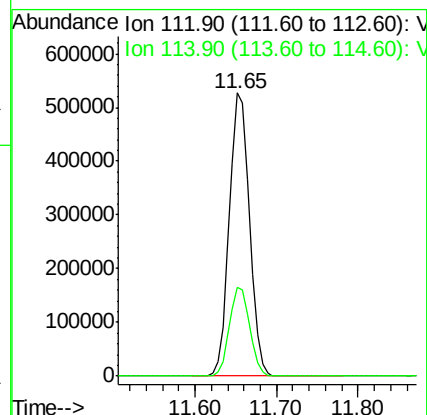
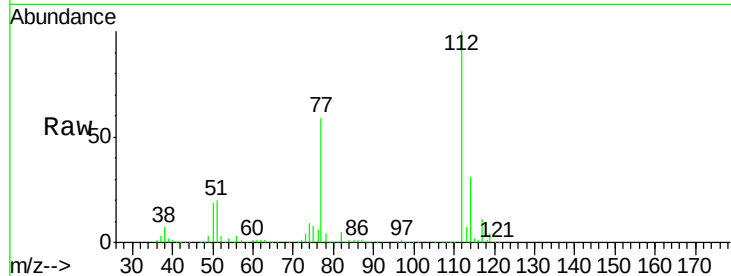
VSTDCCC050EC

Tgt Ion:112 Resp: 896391

Ion Ratio Lower Upper

112 100

114 31.5 24.6 37.0



#66

1,1,1,2-Tetrachloroethane

Concen: 50.14 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

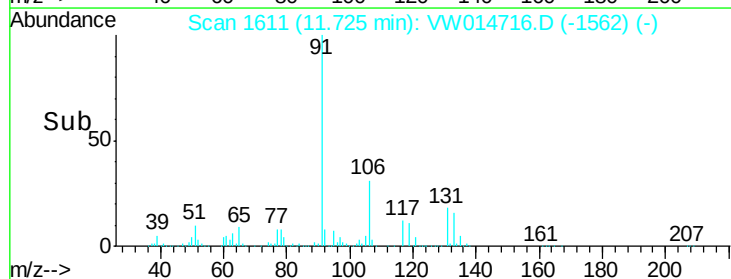
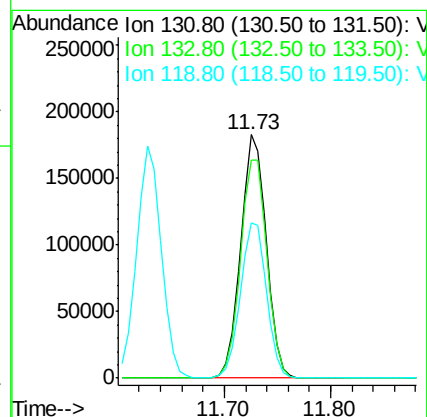
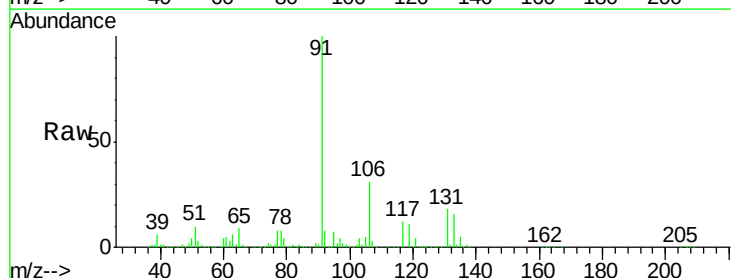
Tgt Ion:131 Resp: 307981

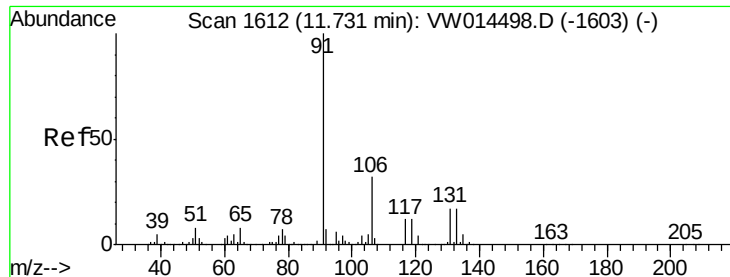
Ion Ratio Lower Upper

131 100

133 93.3 47.3 142.0

119 65.5 33.1 99.3

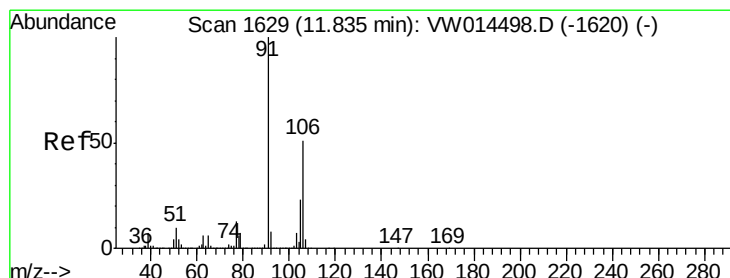
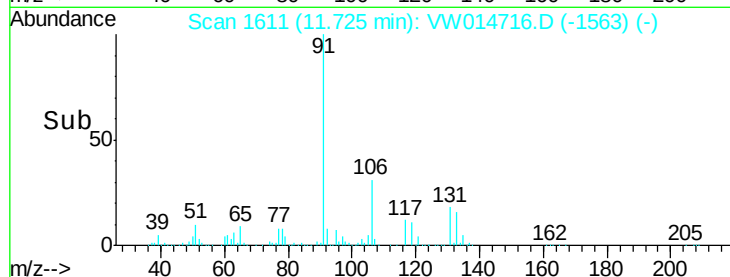
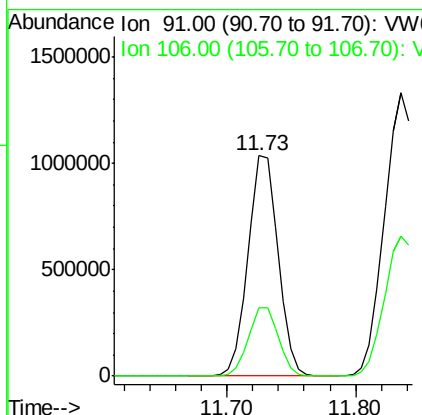
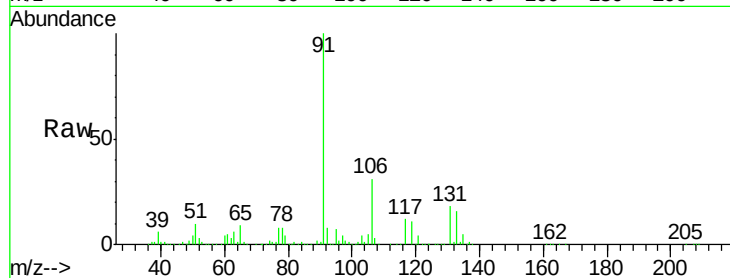




#67
Ethyl Benzene
Concen: 50.59 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

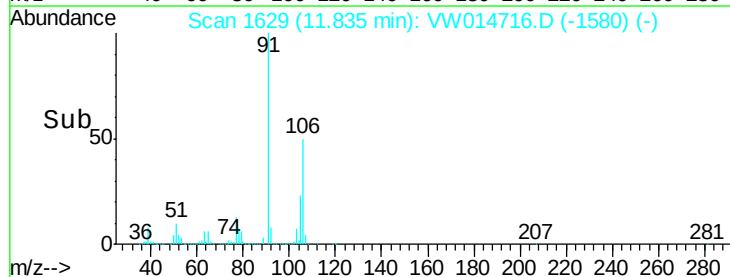
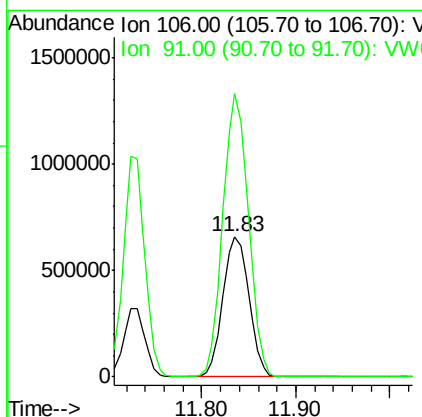
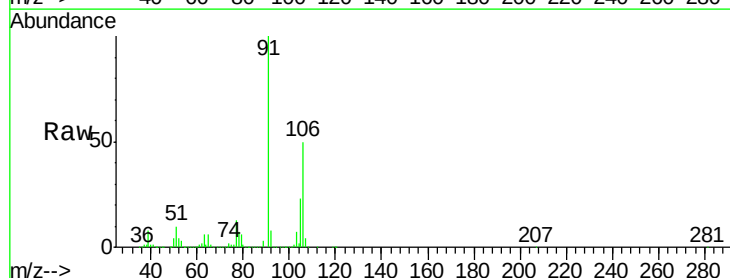
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

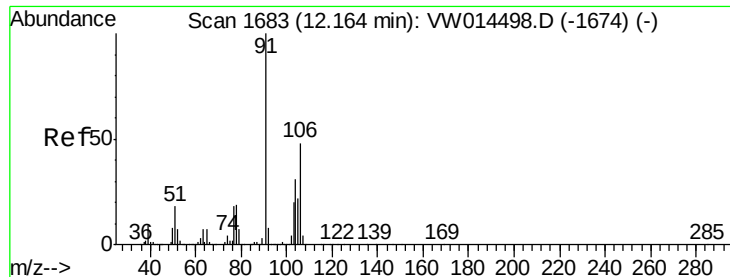
Tgt Ion: 91 Resp: 1663253
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 100.81 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 106 Resp: 1268497
Ion Ratio Lower Upper
106 100
91 197.6 159.0 238.6

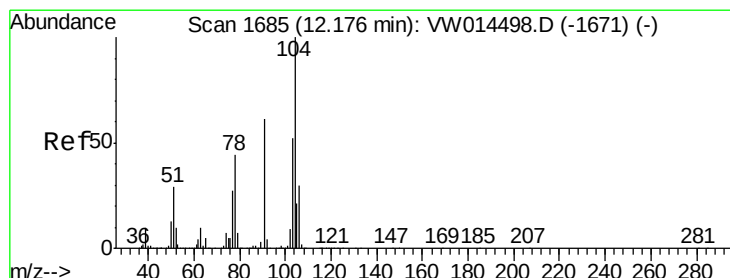
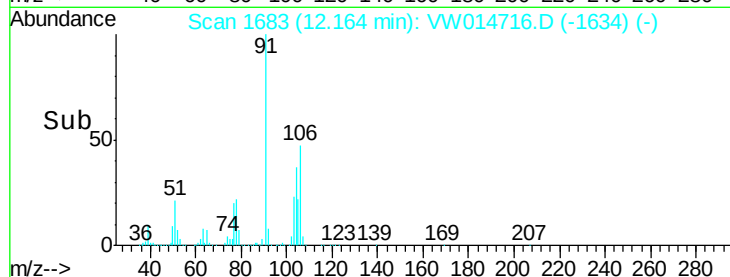
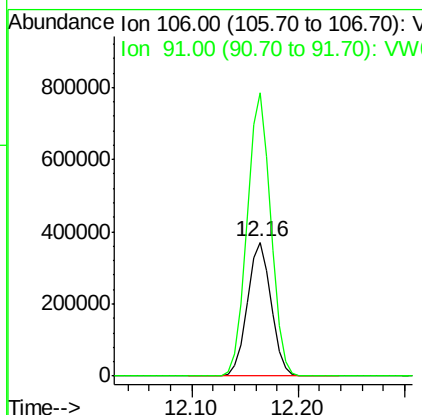
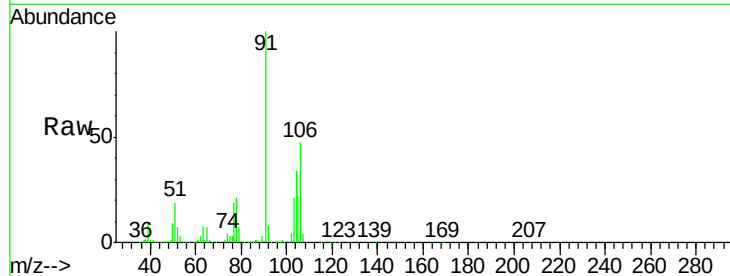




#69
o-Xylene
Concen: 50.00 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

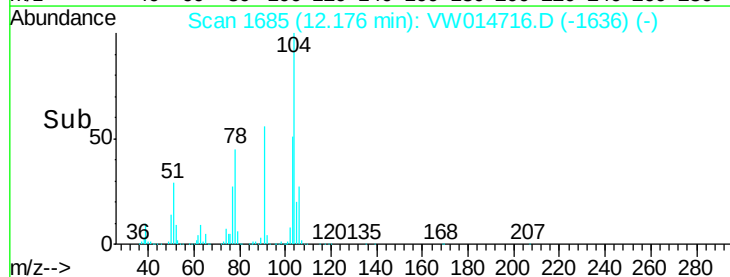
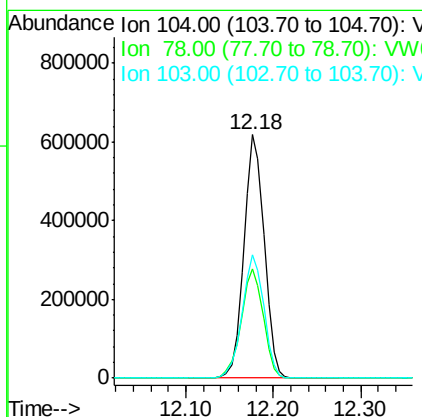
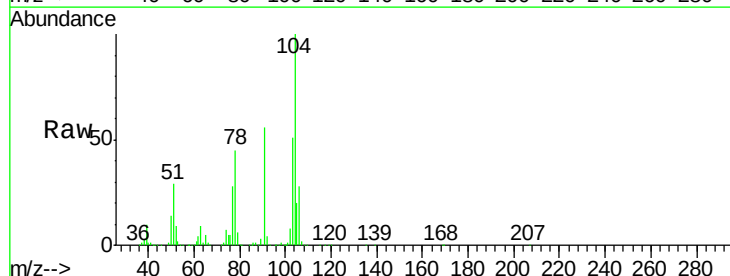
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

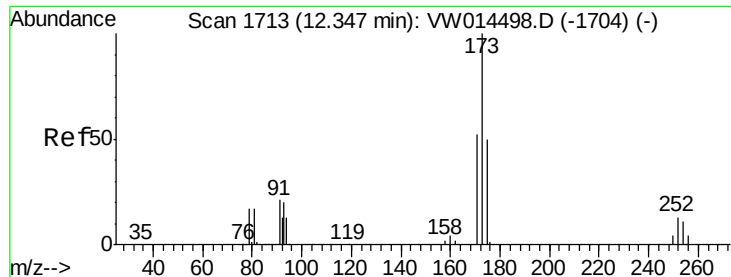
Tgt Ion:106 Resp: 581210
Ion Ratio Lower Upper
106 100
91 210.8 105.2 315.6



#70
Styrene
Concen: 50.53 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion:104 Resp: 993351
Ion Ratio Lower Upper
104 100
78 48.9 38.4 57.6
103 54.2 43.7 65.5





#71

Bromoform

Concen: 46.38 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

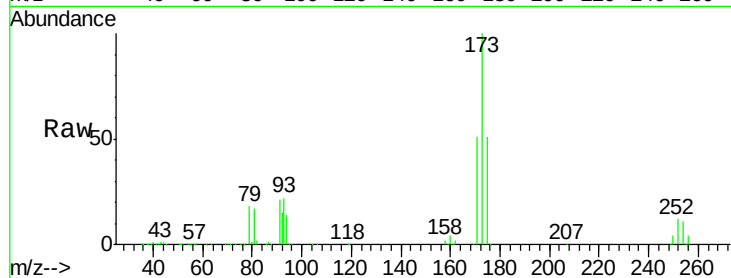
Tgt Ion:173 Resp: 155403

Ion Ratio Lower Upper

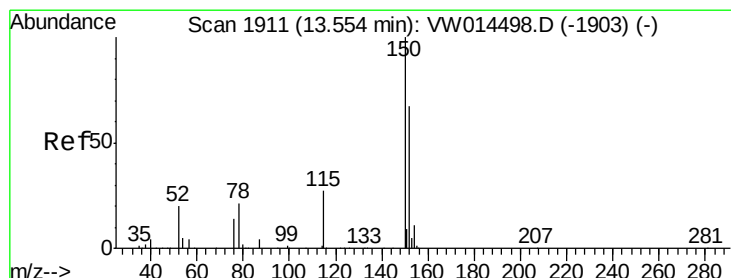
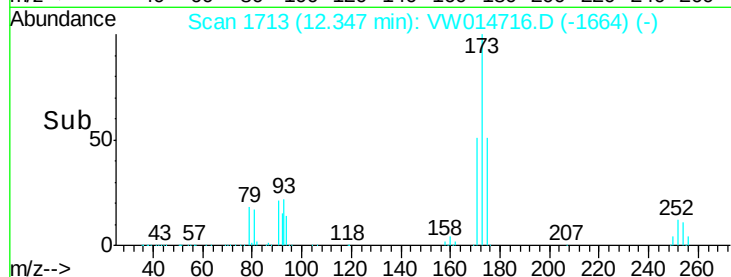
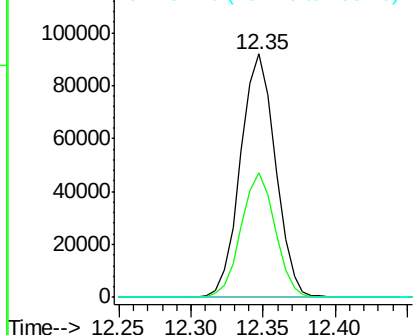
173 100

175 49.6 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: 50.00 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

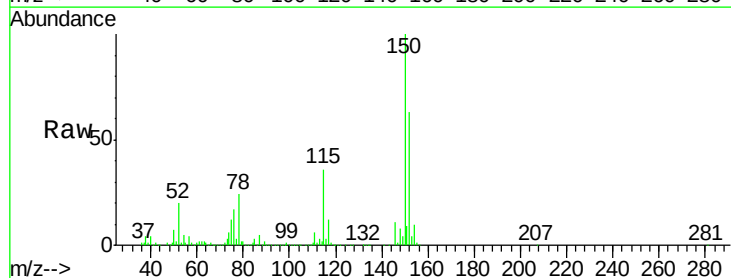
Tgt Ion:152 Resp: 437453

Ion Ratio Lower Upper

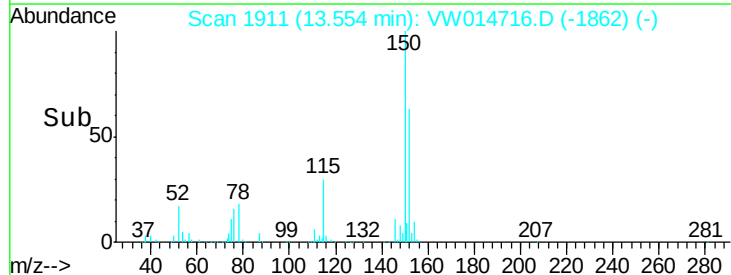
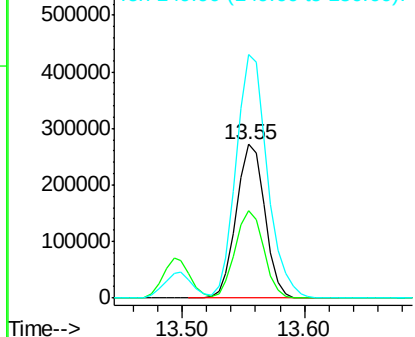
152 100

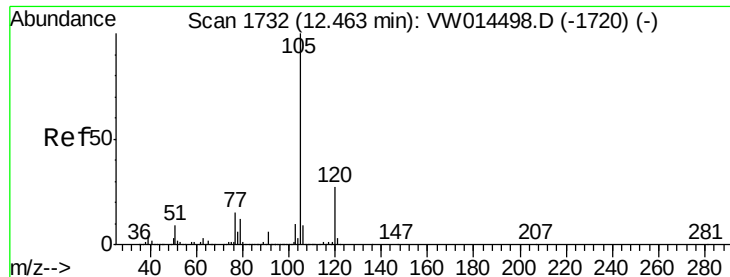
115 56.7 27.7 83.1

150 173.1 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: 49.80 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

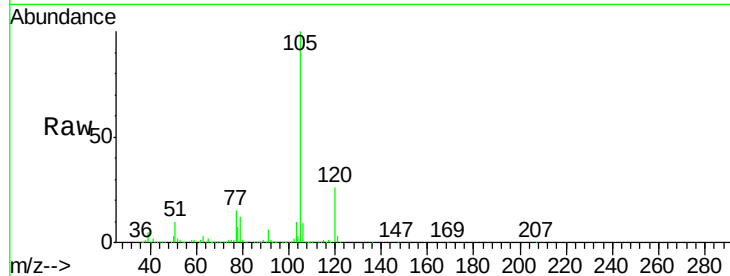
VSTDCCC050EC

Tgt Ion:105 Resp: 1598438

Ion Ratio Lower Upper

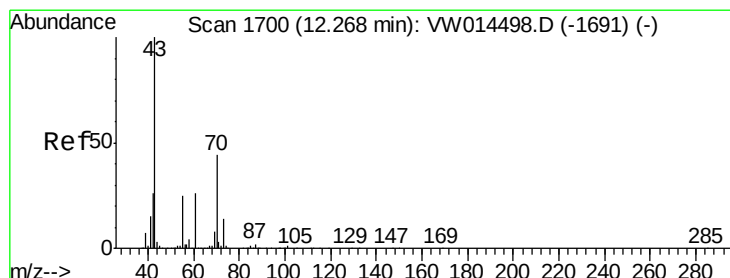
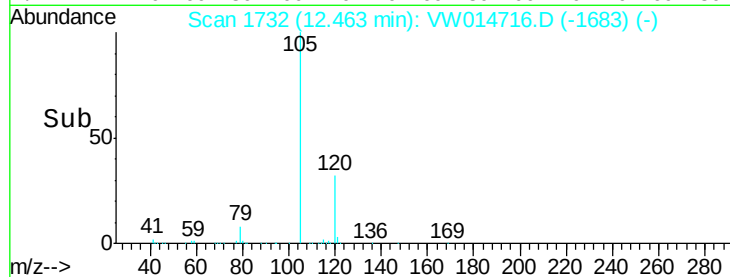
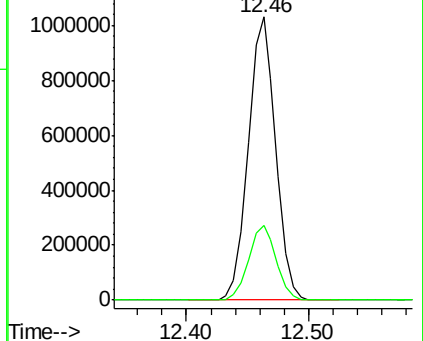
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.75 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion: 43 Resp: 365277

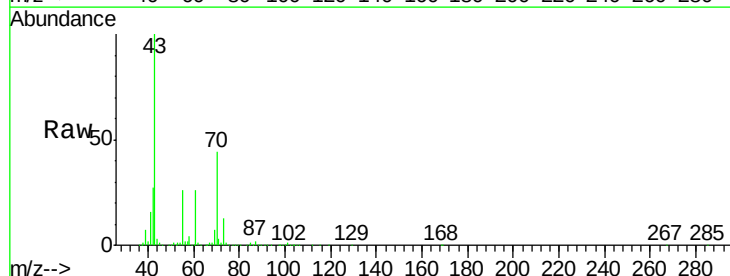
Ion Ratio Lower Upper

43 100

70 45.3 36.5 54.7

55 26.1 20.9 31.3

61 25.4 20.7 31.1

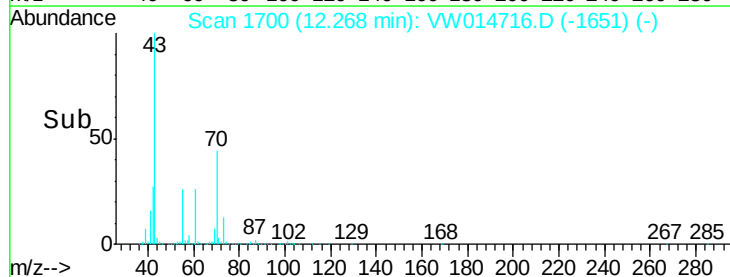
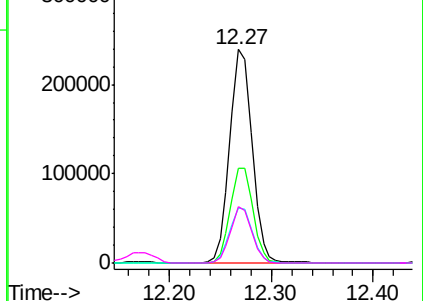


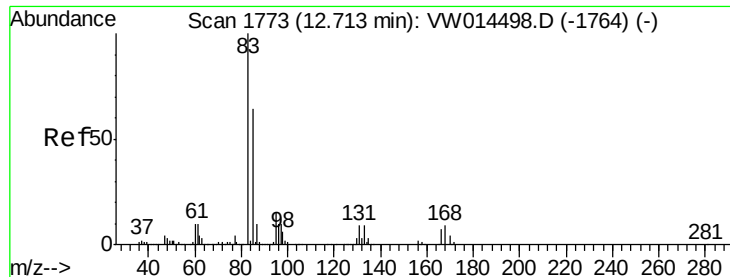
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 48.11 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

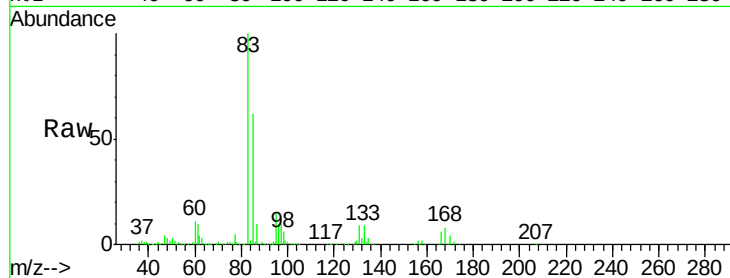
Tgt Ion: 83 Resp: 278749

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

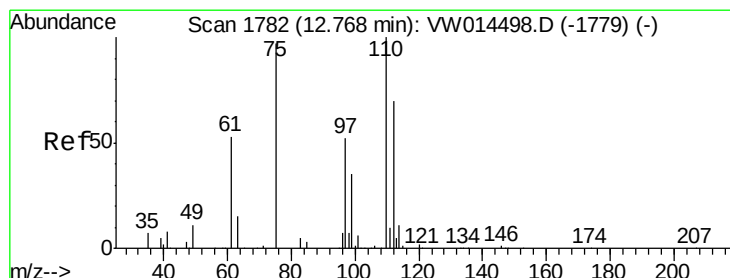
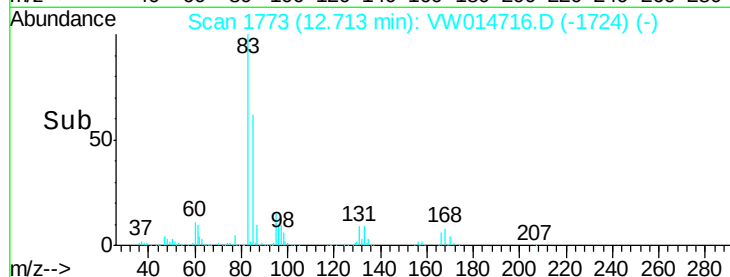
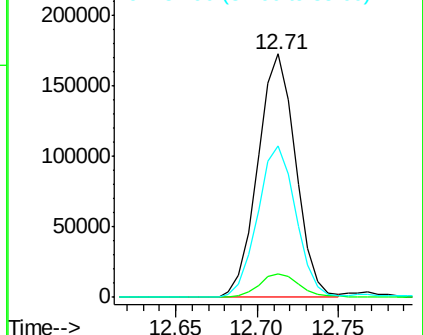
85 62.7 31.9 95.7



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: 85.36 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014716.D

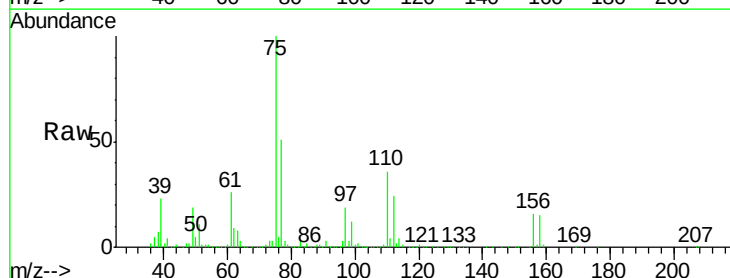
Acq: 22 Jan 2020 16:37

Tgt Ion: 75 Resp: 353033

Ion Ratio Lower Upper

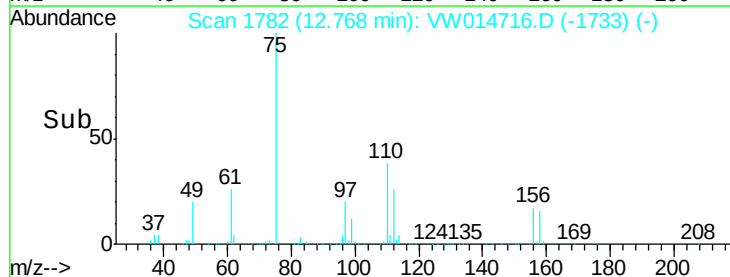
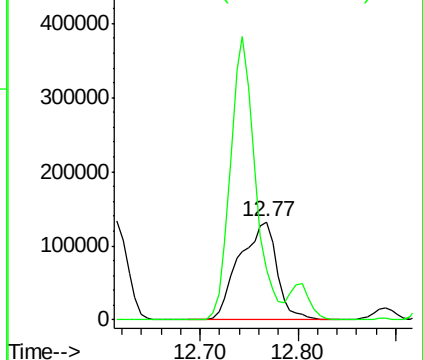
75 100

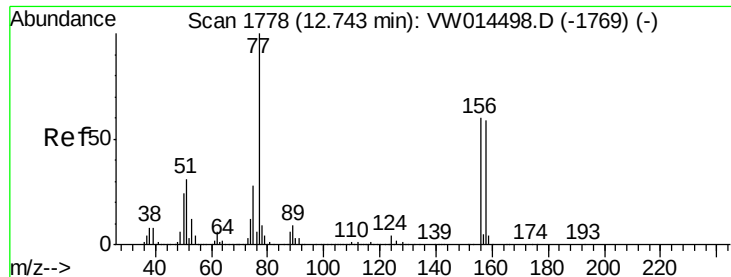
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.69 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

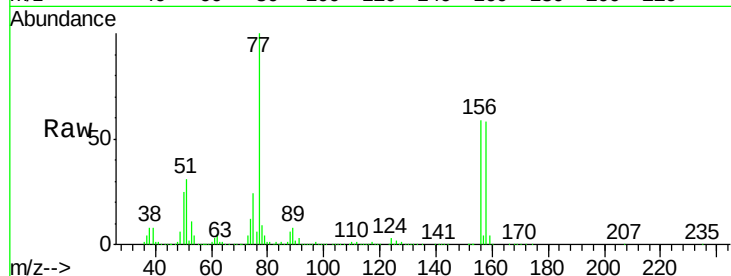
Tgt Ion:156 Resp: 362984

Ion Ratio Lower Upper

156 100

77 187.6 92.3 277.1

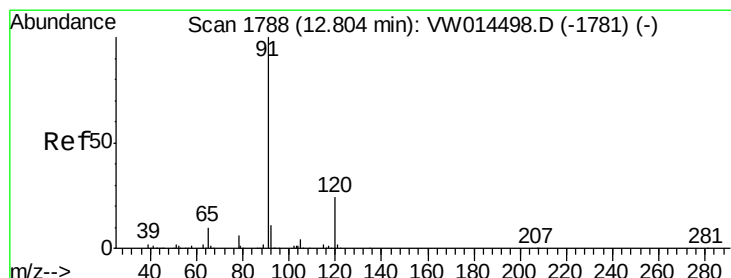
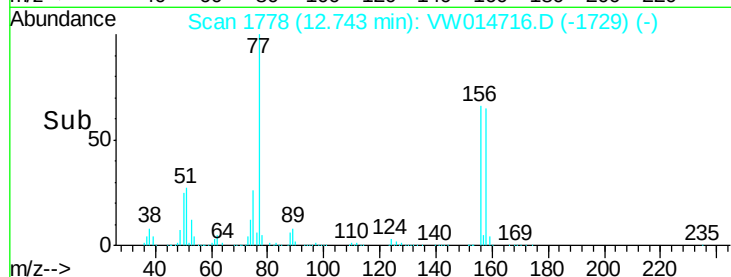
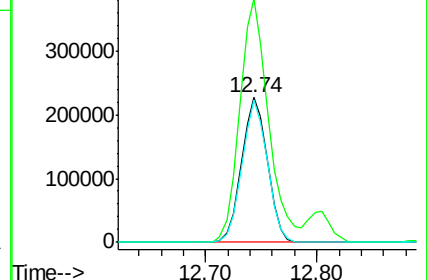
158 96.8 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.16 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014716.D

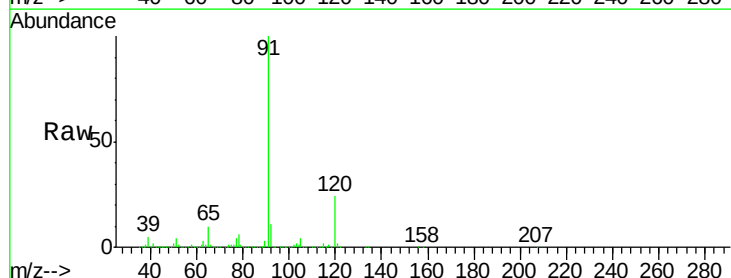
Acq: 22 Jan 2020 16:37

Tgt Ion: 91 Resp: 1931109

Ion Ratio Lower Upper

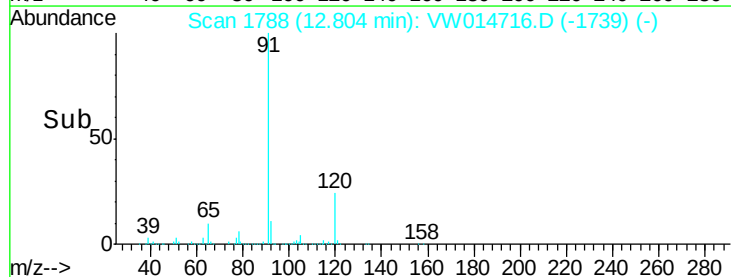
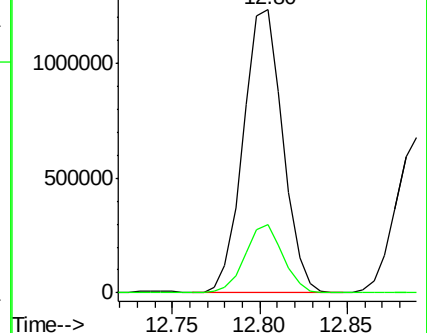
91 100

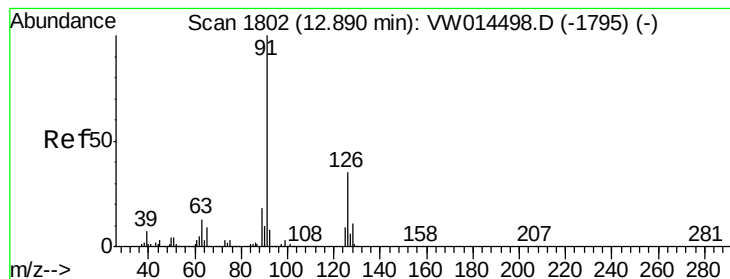
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.91 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

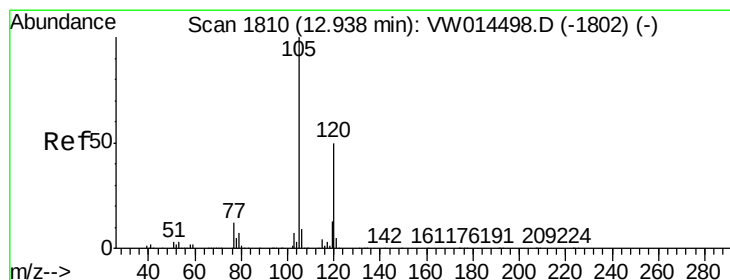
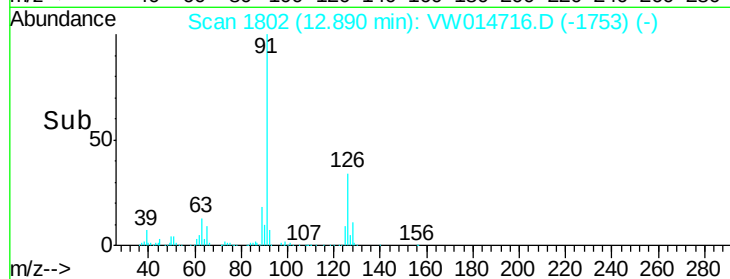
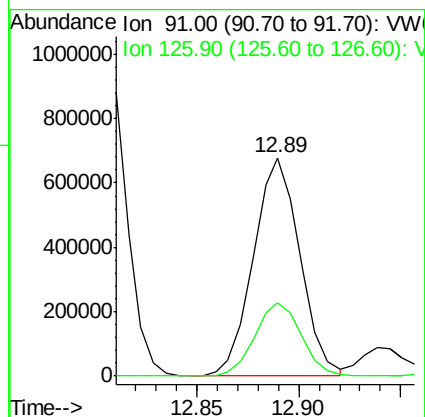
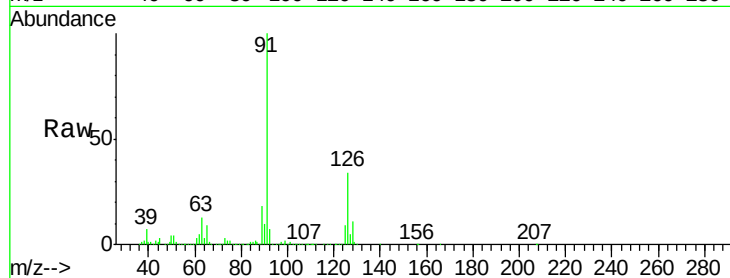
VSTDCCC050EC

Tgt Ion: 91 Resp: 1072112

Ion Ratio Lower Upper

91 100

126 33.7 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 50.27 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014716.D

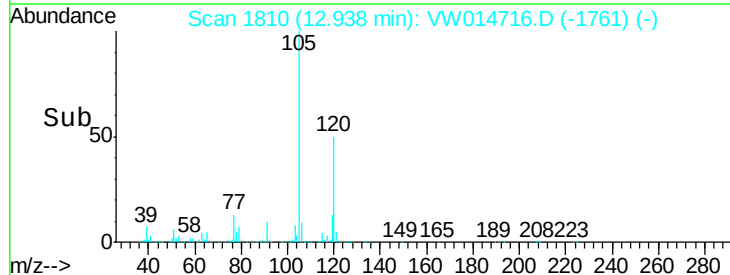
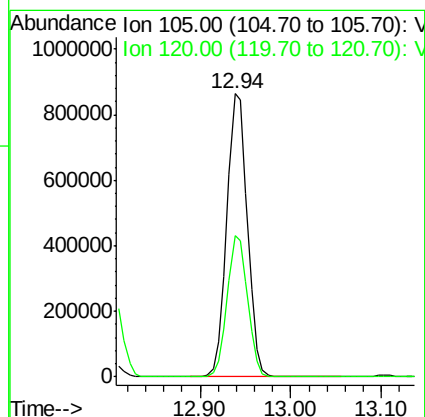
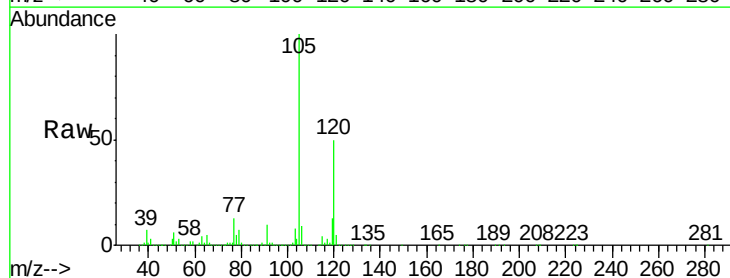
Acq: 22 Jan 2020 16:37

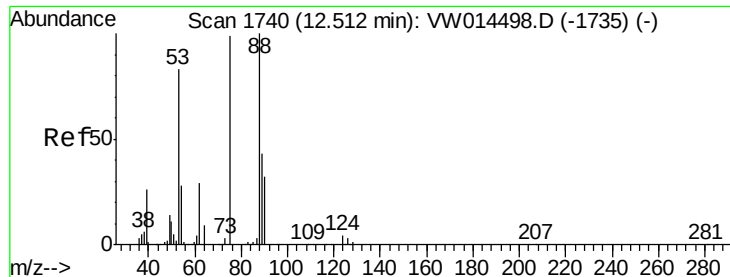
Tgt Ion: 105 Resp: 1354823

Ion Ratio Lower Upper

105 100

120 49.7 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.01 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

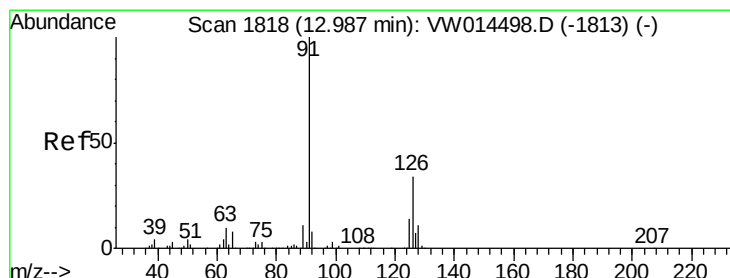
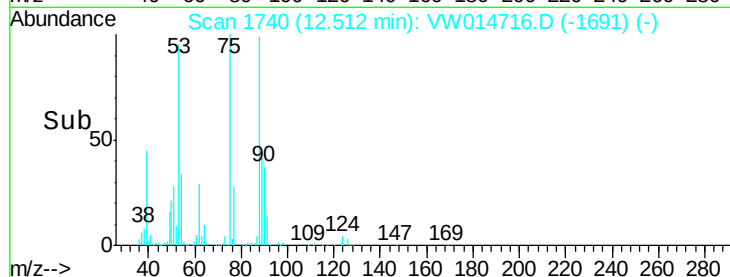
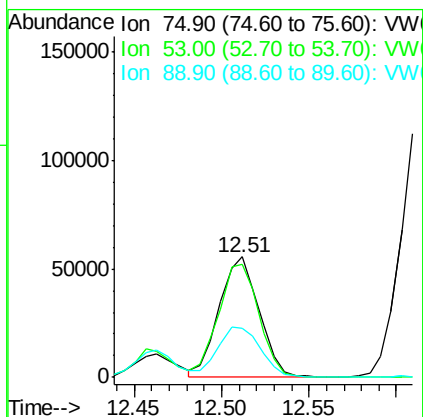
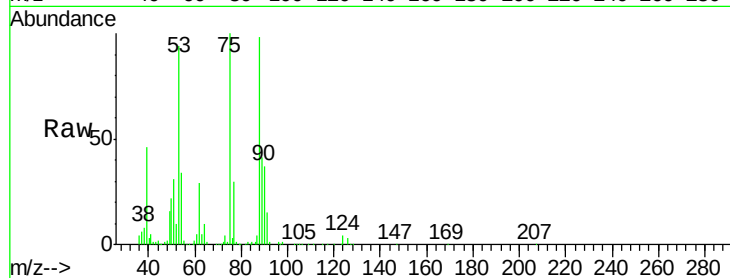
Tgt Ion: 75 Resp: 87262

Ion Ratio Lower Upper

75 100

53 97.1 70.9 106.3

89 46.0 35.8 53.8



#82

4-Chlorotoluene

Concen: 50.05 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014716.D

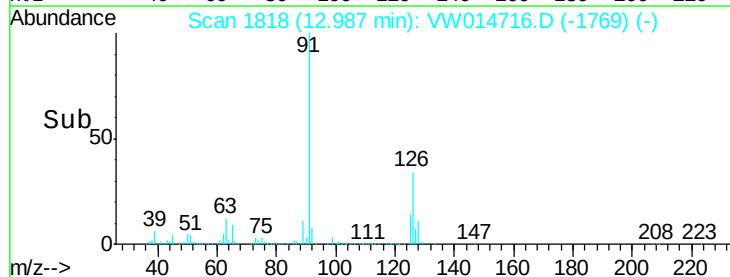
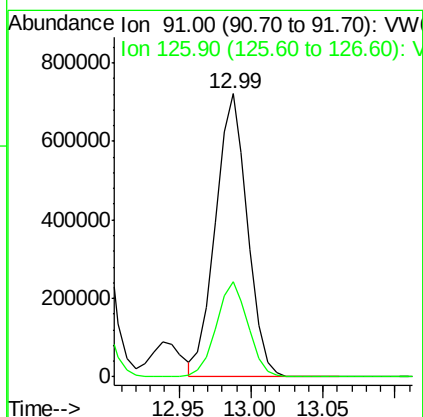
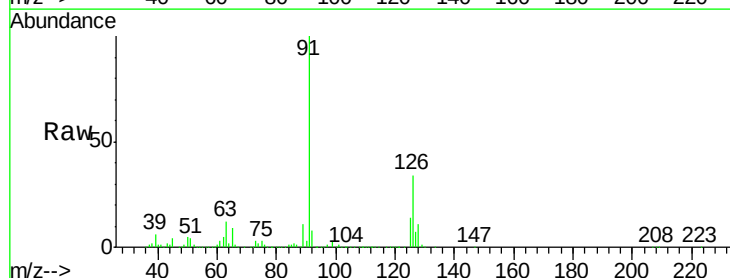
Acq: 22 Jan 2020 16:37

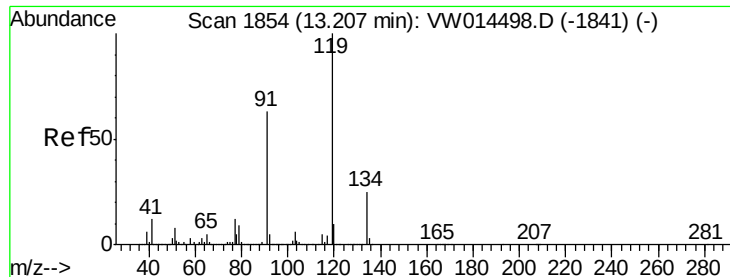
Tgt Ion: 91 Resp: 1116922

Ion Ratio Lower Upper

91 100

126 33.4 17.1 51.2

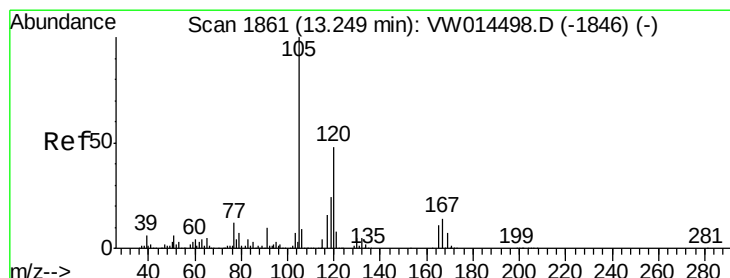
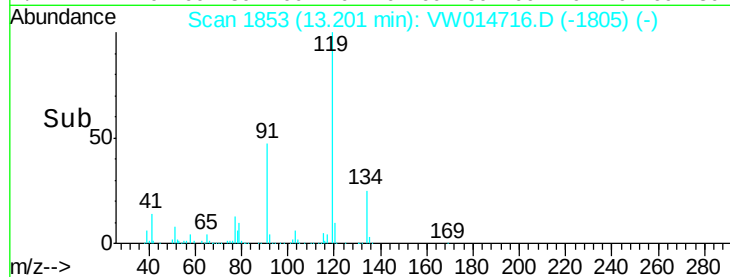
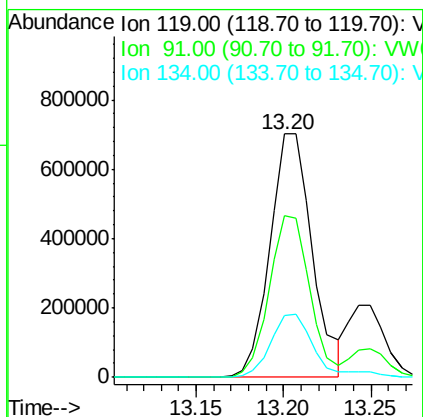
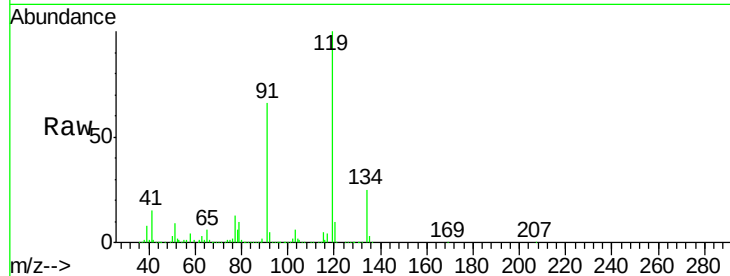




#83
 tert-Butylbenzene
 Concen: 50.11 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

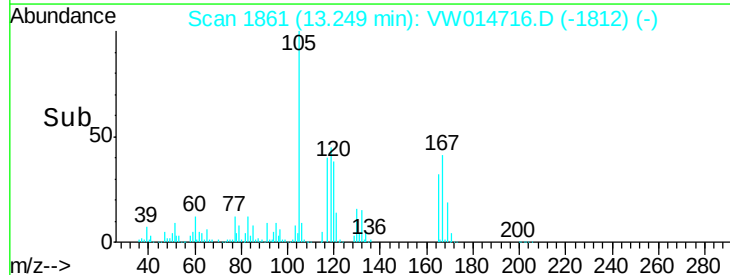
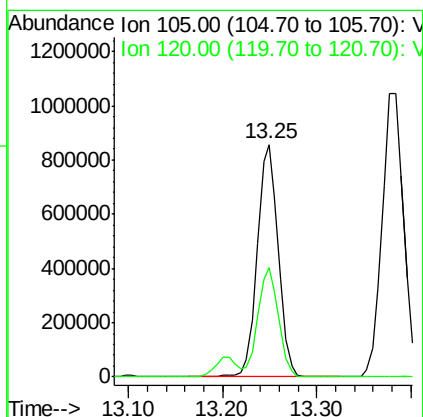
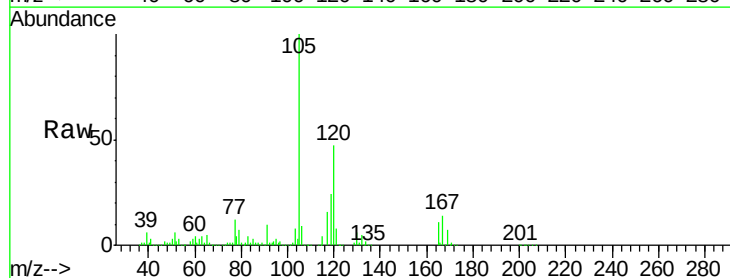
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

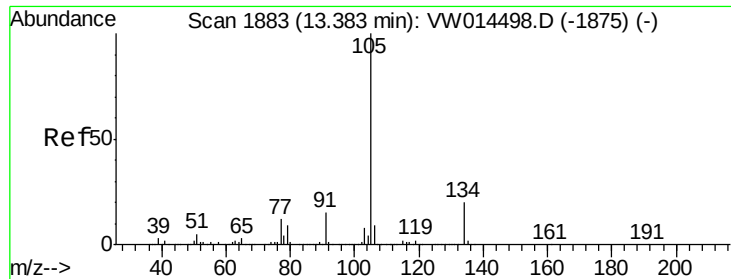
Tgt Ion:119 Resp: 1182346
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.1 93.3
 134 27.1 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 49.99 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion:105 Resp: 1340810
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.0





#85

sec-Butylbenzene

Concen: 50.71 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

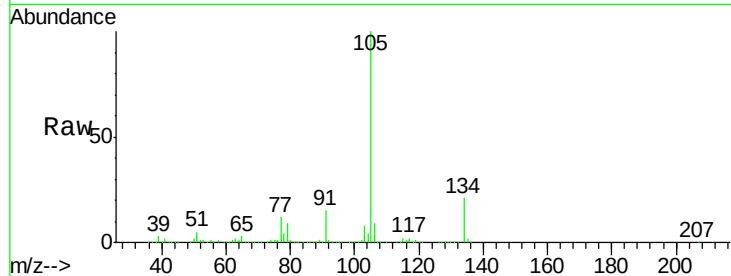
VSTDCCC050EC

Tgt Ion:105 Resp: 1656129

Ion Ratio Lower Upper

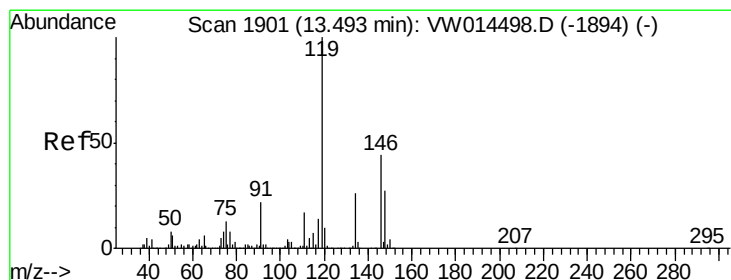
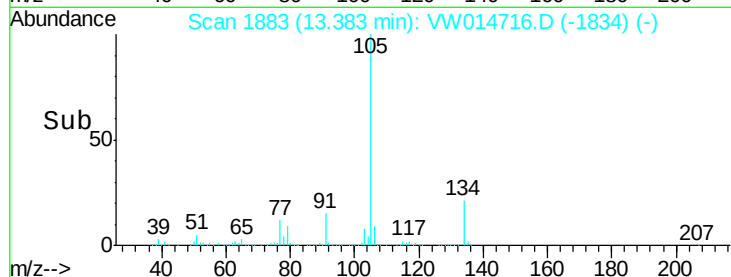
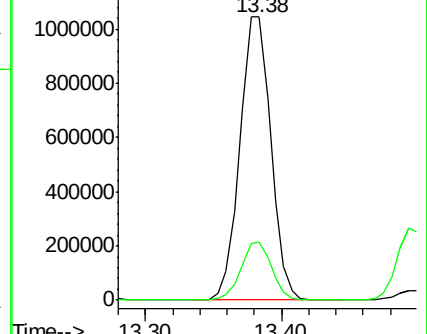
105 100

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: 50.87 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

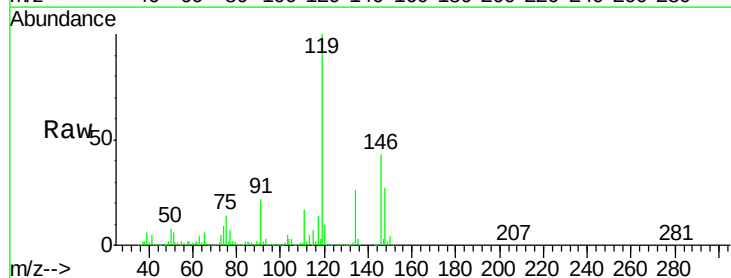
Tgt Ion:119 Resp: 1514575

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

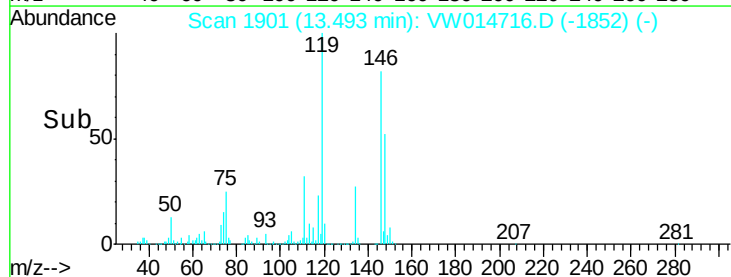
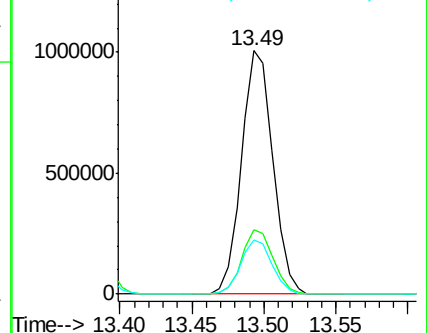
91 22.3 11.1 33.3

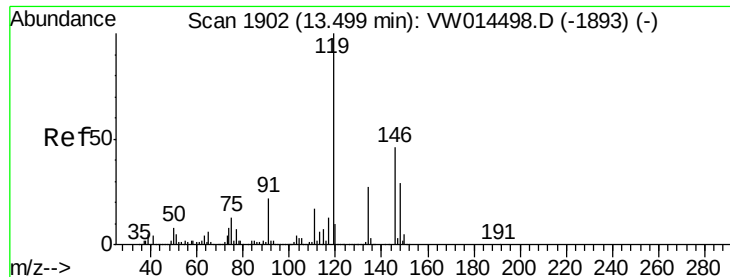


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

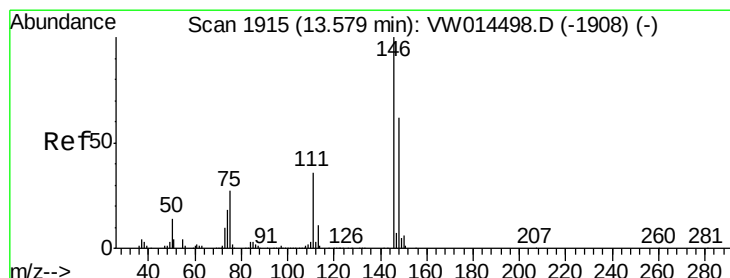
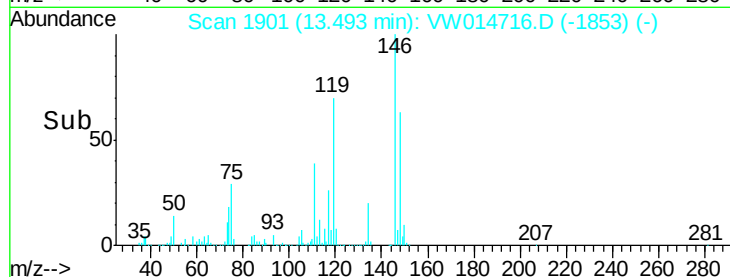
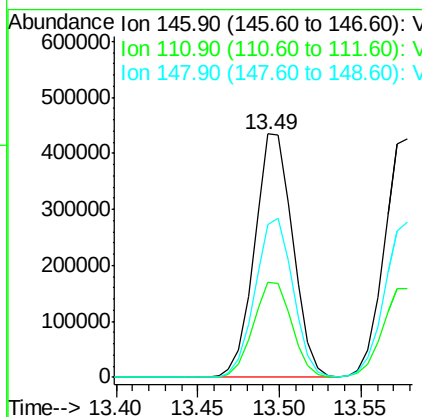
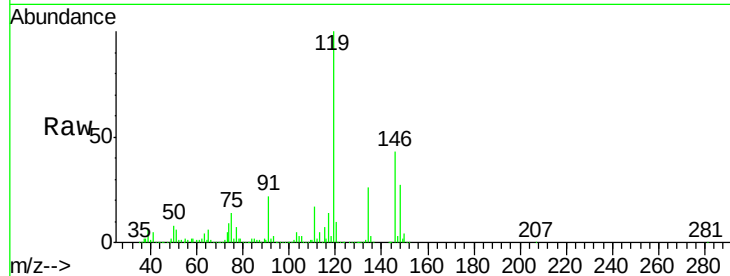




#87
 1,3-Dichlorobenzene
 Concen: 49.02 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

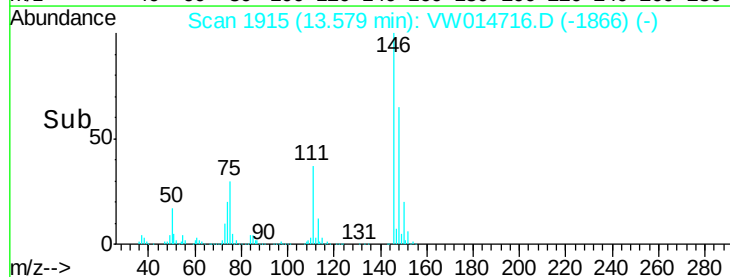
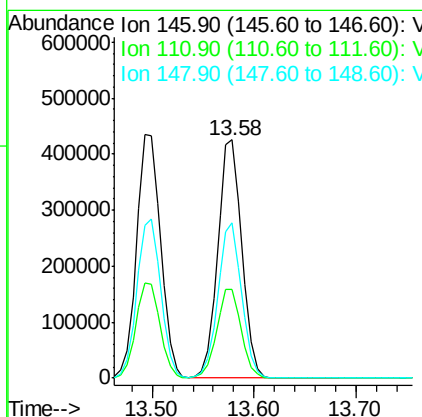
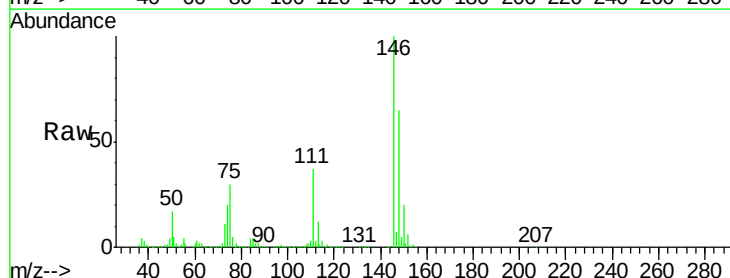
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

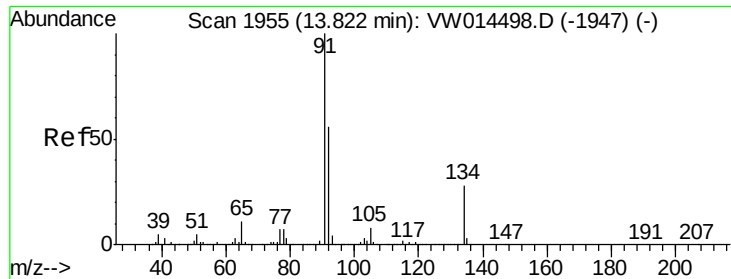
Tgt Ion:146 Resp: 710569
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.9
 148 64.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.85 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion:146 Resp: 699177
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.7 56.1
 148 64.1 31.7 95.1





#89

n-Butylbenzene

Concen: 52.48 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

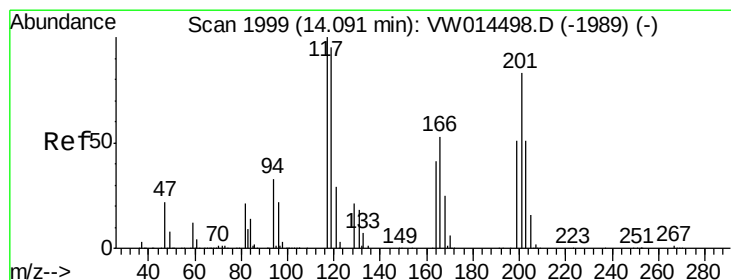
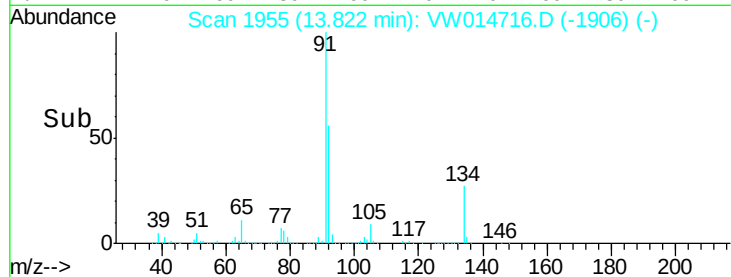
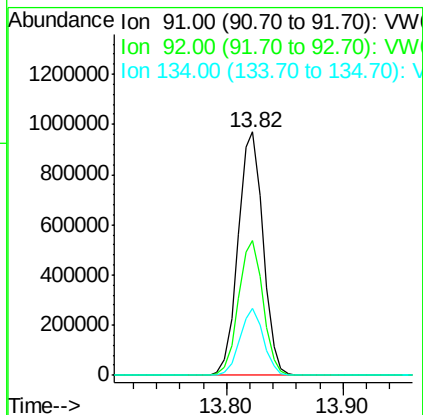
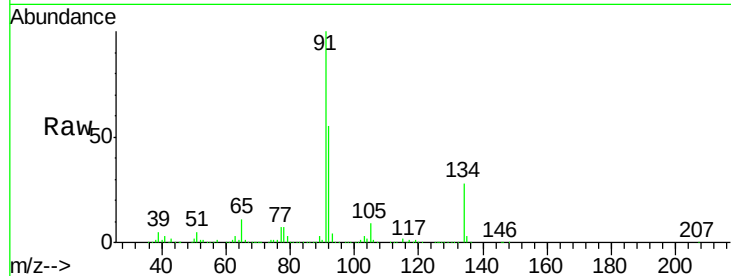
Tgt Ion: 91 Resp: 1450963

Ion Ratio Lower Upper

91 100

92 54.6 27.5 82.5

134 26.1 13.7 41.1



#90

Hexachloroethane

Concen: 50.36 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014716.D

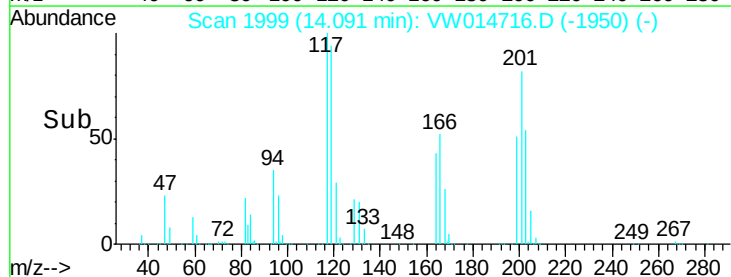
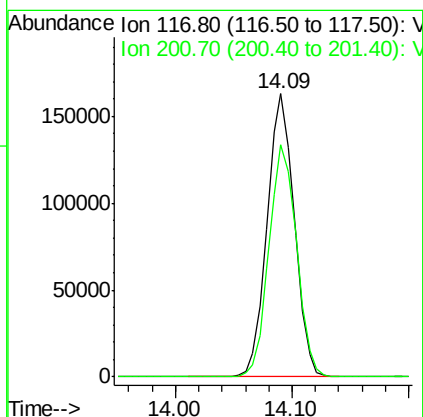
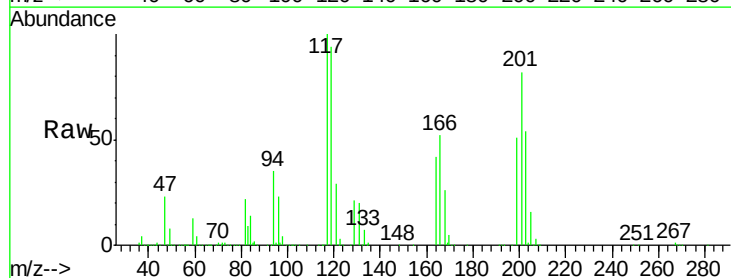
Acq: 22 Jan 2020 16:37

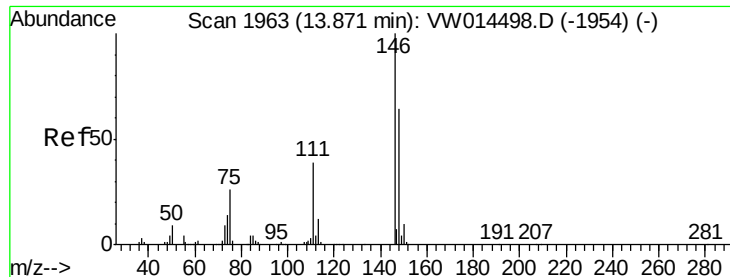
Tgt Ion: 117 Resp: 261905

Ion Ratio Lower Upper

117 100

201 83.4 43.0 128.8

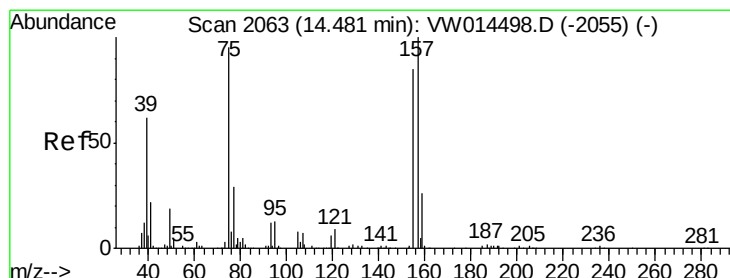
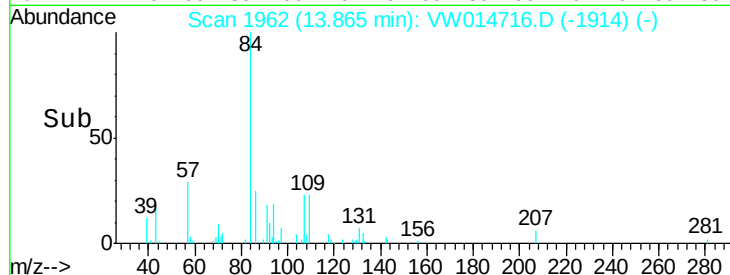
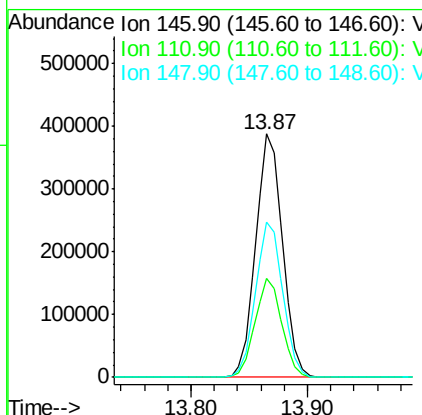
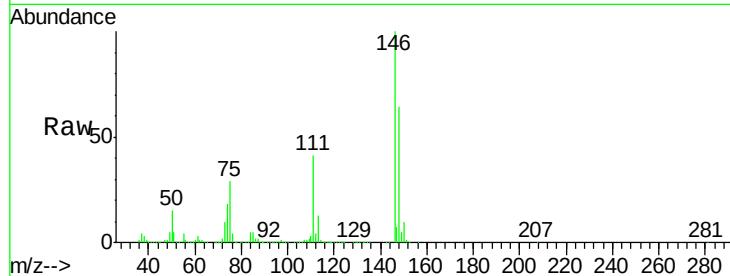




#91
 1,2-Dichlorobenzene
 Concen: 48.98 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

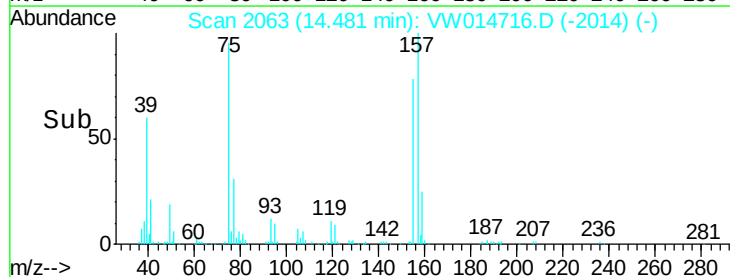
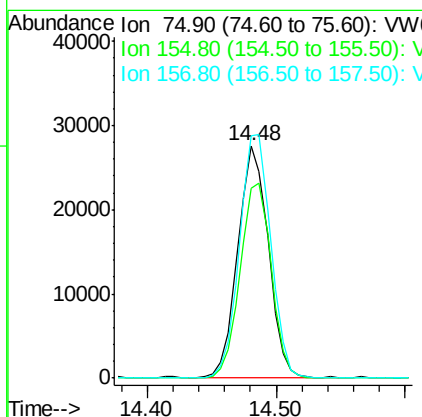
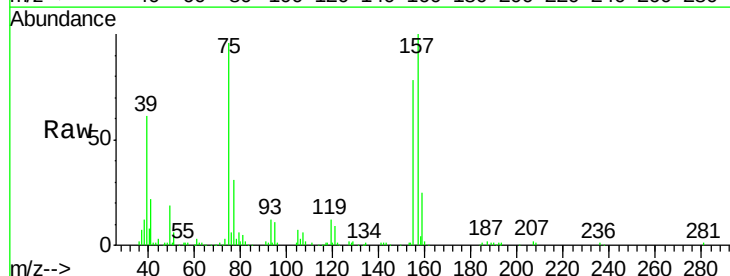
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

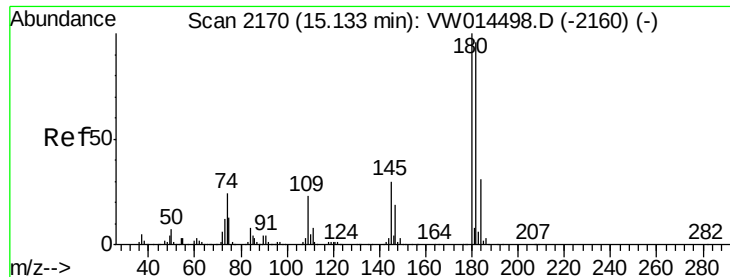
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	64.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.56 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	45.8	137.4
157	106.8	58.1	174.2

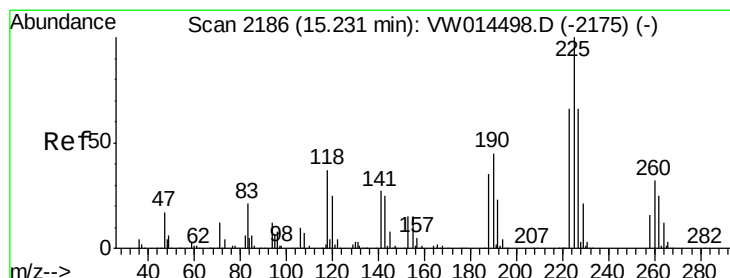
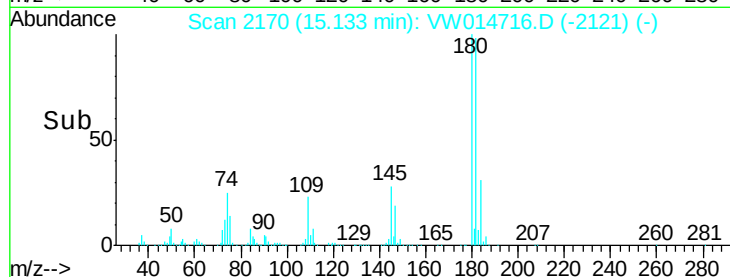
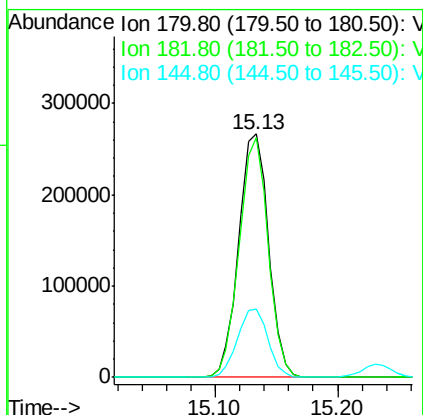
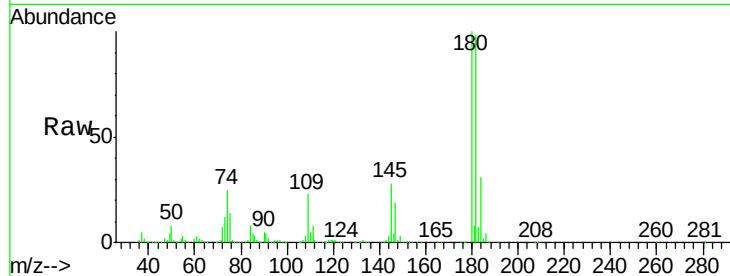




#93
 1,2,4-Trichlorobenzene
 Concen: 52.51 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

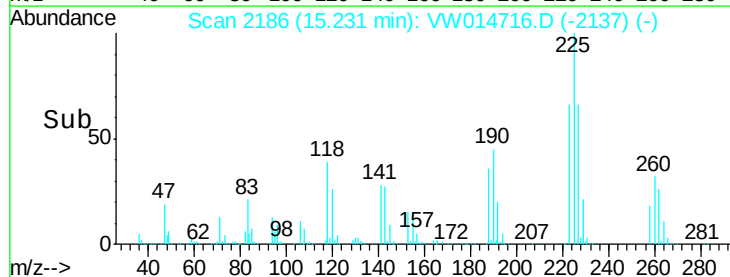
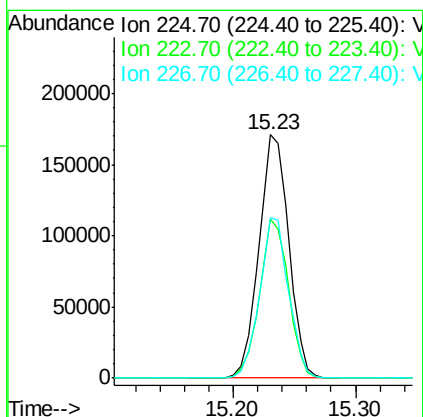
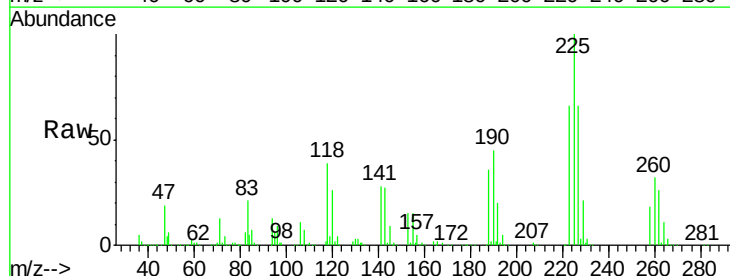
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

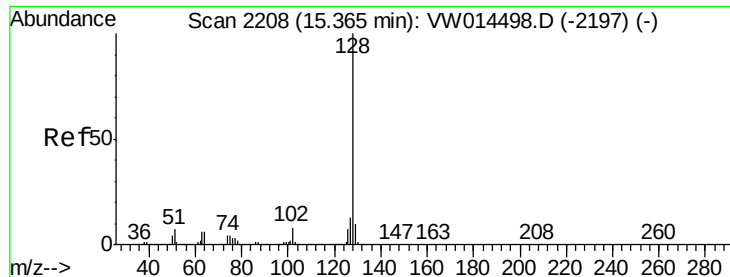
Tgt Ion:180 Resp: 451831
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 141.8
 145 28.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 50.40 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion:225 Resp: 290608
 Ion Ratio Lower Upper
 225 100
 223 63.5 32.4 97.2
 227 64.2 32.6 97.8

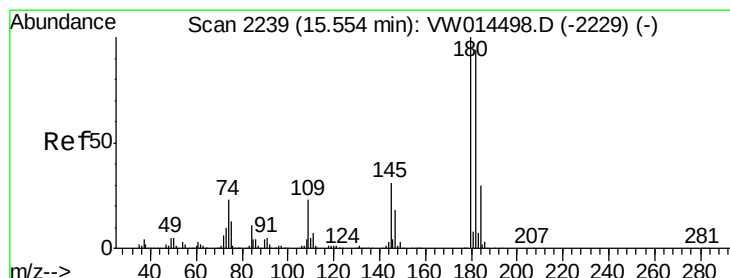
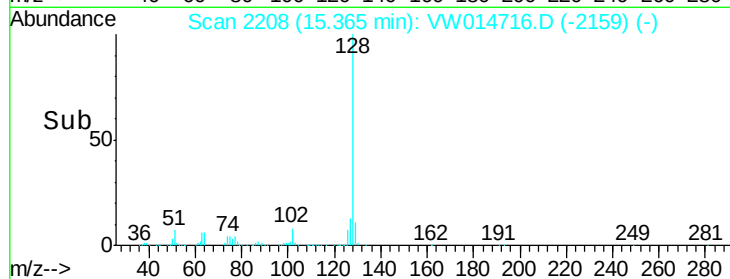
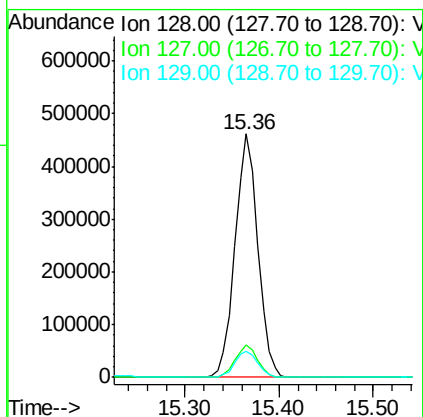
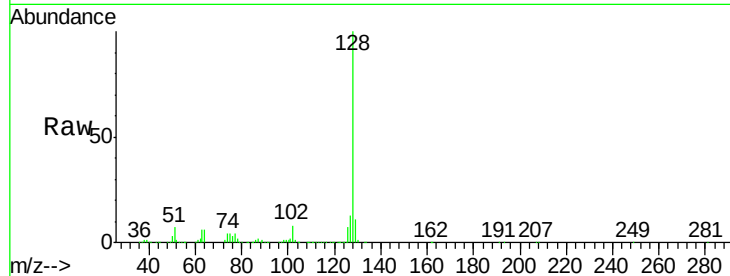




#95
Naphthalene
Concen: 52.72 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 773613
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.16 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion:180 Resp: 383687
Ion Ratio Lower Upper
180 100
182 96.0 47.4 142.2
145 30.7 15.5 46.5

